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Professor Gabriel Andrés Wainer

Correspondence language: English

Sex: Male

Date of Birth: 1/10

Contact Information

The primary information is denoted by (*)

Address

Primary Affiliation (*)

1125 Colonel By Dr.
Ottawa Ontario K1S 5B6
Canada

Telephone

Work (*) 613-5202600 extension: 1957

Email

Work (*) gwainer@sce.carleton.ca

Website

Personal <http://www.sce.carleton.ca/faculty/wainer>

Social Media <https://www.facebook.com/pages/CDPlusPlus/209942572397637?fref=nf>

Social Media https://twitter.com/ARSLab_CU

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Protected when completed

Professor Gabriel Wainer

Language Skills

Language	Read	Write	Speak	Understand	Peer Review
English	Yes	Yes	Yes	Yes	Yes
French	Yes	Yes	Yes	Yes	Yes
Italian	Yes	No	No	Yes	Yes
Portuguese	Yes	No	Yes	Yes	Yes
Spanish; Castilian	Yes	Yes	Yes	Yes	Yes

Degrees

- 1998/3 Doctorate, Software Engineering, Université D'Aix-Marseille III (D'Economie & Sci)
Degree Status: Completed
Thesis Title: Discrete-event cellular models with explicit delays (in cotutelle with UBA)
Supervisors: Norbert Giambiasi, 1995/9 - 1998/12
- 1993/3 Master's Equivalent, Licenciata in Computer Science, Universidad de Buenos Aires
Degree Status: Completed
Thesis Title: An environment for development of SCADA systems (in Spanish)
Supervisors: Guillermo Delbue, 1991/9 - 1993/3

Credentials

- 2011/7 Limited License for Faculty Members, Professional Engineers of Ontario
- 2002/7 Certified Professional on Modeling and Simulation. Charter Group Member, Modeling & Simulation Professional Certification Commission (M&SPCC)
Research Disciplines: Computer Engineering and Software Engineering

Recognitions

- 2019/11 Outstanding Engineering Award
IEEE (Ottawa Section)
Honor
For innovative and outstanding contributions to the development of modelling and simulation of discrete-event dynamic systems

- 2019/7 Best Paper Award Nominee
Society for Modeling and Simulation International
Prize / Award
The paper "Analytics And Visualization Of Spatial Models As A Service". B. St-Aubin*, E. Yammine*, M. Nayef*, G. Wainer was a finalist for the Best Paper Award at the ACM/SCS Summer Simulation Multiconference. Berlin, Germany (4 papers nominated of 127 submissions)
- 2018/4 Best Paper Award
Society for Modeling and Information International
Prize / Award
The paper "Analizing the effect of LTE-A Transmission Parameters on Video Streaming Quality of Experience" (by A. Al-Habashna, S. Fernandes, G. Wainer) obtained the Best Paper Award in CNS'18 (SpringSim'18).
- 2018/4 Runner-up Best Paper Award
Society for Modeling and Simulation International
Prize / Award
The paper "Analizing the effect of LTE-A Transmission Parameters on Video Streaming Quality of Experience" (by A. Al-Habashna*, S. Fernandes, G. Wainer) obtained the Runner-Up Overall Best Paper Award in IEEE/ACM/SCS Spring Simulation Conference (of 128 papers).
- 2018/2 ACM Recognition of Service Award
Association for Computer Machinery
Honor
In Appreciation for Contributions to ACM
- 2017/12 Nepean's Canada 150th Anniversary Medal.
Parliament of Canada - Nepean, ON
Honor
The medal was given in the 150 anniversary of Canadian Confederation to recognize people who have made a difference in the community or excelled in their professional life
- 2017/4 Runner-up Best Paper Award
Society for Modeling and Simulation International
Prize / Award
The paper "Formal Modeling and Simulation To Analyze The Dynamics Of Malware Propagation In Networks Using Cell-DEVS" (by B. Kazi, G. Wainer) obtained the runner-up Best Paper Award in CNS'17 (SpringSim 2017). Virginia Beach, VA
- 2017/4 Best Paper Award
Society for Modeling and Simulation International
Prize / Award
the paper "Context-sensitive Personal Spaces for Dense Crowd Flow" (by O. Hesham*, G. Wainer) obtained the Best Paper Award in ACM/SCS Symposium on Simulation in Architecture and Urban Design (SimAUD). 2017, Toronto, ON. (130 submissions).
- 2016/7 Best Paper Award
Society for Modeling and Simulation International
Prize / Award
The paper "Centroidal Particles for Interactive Crowd Simulation" (by O. Hesham* and G. Wainer) obtained the Best Paper Award at the ACM/SCS Summer Computer Simulation Conference. Montréal, QC (of 99 submissions)

- 2016/4 Best Paper Award
Society for Computer Simulation International
Prize / Award
The paper "Centroidal Particles for Interactive Crowd Simulation" (by O. Hesham* and G. Wainer) obtained the Overall Multiconference Best Paper Award at the SummerSim Multiconference. (of 175 submissions)
- 2016/4 Fellow, the Society for Modeling and Simulation International (SCS).
Society for Modeling and Simulation International
Honor
A Fellow is recognized by his/her unusual distinction in the profession, as well as dedication and contributions to the field. The accomplishments honored must have contributed importance to the advancement or application of modeling and simulation, which have brought significant value to the society.
- 2015/7 Distinguished Service Award
Society for Modeling and Simulation International
Prize / Award
The SCS Distinguished Service Award recognizes notable service to the society by a member at a level of dedication and achievement that is rarely seen. The award is given to a member who has made a series of significant contributions to SCS over a period of five to 10 years.
- 2015/5 Best Paper Award. Symposium on Information Control in Manufacturing, INCOM 2015 -
Doctoral Symposium
IFAC/IFIP/IFORS
Prize / Award
The paper "Applying Complex Network Theory in the Assessment of Organizational Resilience" by C. Ruiz-Martín*, A. López-Paredes, G. Wainer obtained the Best Paper Award in the Doctoral Symposium (papers whose main author is a PhD Student).
- 2015/4 Honorable Mention. "Mobile Simulation: Bringing Simulations to Smartphones". M. Etemad*, S. Wang*, G. Wainer. Mobile App competition paper. Spring Simulation Conference. Alexandria, VA.
The Society for Modeling and Simulation International (SCS)
Prize / Award
- 2014/5 Research Achievement Award
Carleton University
Prize / Award
The Carleton University Research Achievement Award was established in 1989 to enhance the quality of research and to recognize research excellence.
- 2014/3 - 2015/3 Nominated by my students for a Capital Educator's Award (2014 and 2015)
Ottawa Network for Education
Distinction
- 2013/9 - 2014/9 Distinguished Professional Award
The Society for Modeling and Simulation International (SCS)
Prize / Award
The award recognized variety of Prof. Wainer's technical contributions to the modeling and simulation discipline which have been widely disseminated in technical literature.

- 2013/1 - 2014/1 Carleton University Faculty Graduate Mentoring Award
Carleton University
Prize / Award
This award recognize Prof. Wainer for "rendering exceptional service to graduate students as supervisor and research mentor, and his effect on the careers of his students which is frequently transformational". Each year up to 7 exceptional mentors are recognized.
- 2012/4 Best Symposium Award - SpringSim 2012. Chair: G. Wainer
The Society for Modeling and Simulation International (SCS)
Prize / Award
Symposium of Theory of Modeling and Simulation
- 2011/7 Runner-up Best Paper Award - SCS/ACM Summer Computer Simulation Conference.
Society for Modeling and Simulation International (SCS)
Prize / Award
"VCELL: A 3D Real-time Visual Simulation in Support of Combat"; A. Ahmed*, M. Moallemi*, G. Wainer, S. Mahmoud (120 submissions)
- 2011/4 Best Paper Award - SCS/ACM Symposium of Theory of Modeling and Simulation 2011
SpringSim - The Society for Modeling and Simulation International (SCS)
Prize / Award
"I-DEVS: a framework for imprecise computing in DEVS". M. Moallemi* and G. Wainer (91 submissions).
- 2011/4 Outstanding Professional Contribution Award
The Society for Modeling and Simulation International (SCS)
Prize / Award
For Professor Wainer's contributions to advancing the state-of-the-art of discrete-event simulation and real-time simulation
- 2011/2 Top-3 ranked Author
Microsoft Academic Research site
Citation
Cited as Top-3 ranked Author in the field of Simulation (Last 10 years) by the Microsoft Academic Research site(February 1, 2011)
- 2010/7 Runner-up Best Paper Award. SCS/ACM Summer Computer Simulation Conference.
SummerSim - The Society for Modeling and Simulation International (SCS)
Prize / Award
"Applying the TPS Method To Modeling And Simulation Of Biological Systems"; R. Goldstein*, N. Farran*, H. Yigang*, S. Lissari*, G. Wainer (152 submissions)
- 2010/4 Runner-up Best Paper Award for SCS/ACM Springsim.
SpringSim - The Society for Modeling and Simulation International (SCS)
Prize / Award
"Advanced IDE for Modeling and Simulation of Discrete Event Systems" M. Bonaventura*, G. Wainer, R. Castro* (350 submissions).
- 2010/4 Runner-up Best Paper Award. Symposium of Theory of Modeling and Simulation.
SpringSim - The Society for Modeling and Simulation International (SCS)
Prize / Award
"Rational Time-Advance DEVS (RTA-DEVS)"; H. Saadawi*, G. Wainer (94 submissions).
- 2010/4 First Bernard P. Zeigler DEVS Modeling and Simulation Award
The Society for Modeling and Simulation International (SCS)
Prize / Award
In recognition of the 40th anniversary of the DEVS framework which was invented by Prof. Bernard Zeigler, this award recognizes high-impact innovations in modeling and simulation methods, applications, and tools.

2008/7	Finalist of the 2008 International Services Computing Contest. Institute of Electrical and Electronic Engineers (IEEE) Distinction "Distributed Simulation and Web Map Mash-Up for Forest Fire Spread"; Y. Harzallah*, V. Michel*, Q. Liu*, G. Wainer, Y. Yan.
2008/3	Senior Member of IEEE Institute of Electrical and Electronic Engineers (IEEE) Honor Senior Member of IEEE
2007/7	SCS SummerSim Leadership Award Society for Modeling and Simulation International (SCS) Prize / Award
2005/5 - 2006/4	Carleton University Research Achievement Award Carleton University Prize / Award
2003/7	Senior Member of the Society for Modeling and Simulation International SCS Honor
1992/3	Best Paper Award at the 6th Essay Contest of the CICC (Canadian dollar) Prize / Award

User Profile

Fields of Application: Communication and Information Technologies, Environment

Areas of Research: Modelization and Simulation, Software Development, Distributed and Simultaneous Processing

Research Specialization Keywords: Discrete-Event Modelling, Discrete-Event Simulation, Distributed Simulation, Parallel Simulation, Real Time Simulation, Real-Time Systems, Simulation As A Service

Research Disciplines: Computer Engineering and Software Engineering, Computer Science

Employment

2015/7	Associate Chair for Graduate Studies Systems and Computer Engineering, Carleton University
2012/7	Professor Systems and Computer Engineering, Carleton University Full-time, Professor Tenure Status: Tenure (Associate Chair for Graduate Studies / Jul 2015-Jul 2020)
2013/10 - 2020/12	Visiting Professor Applied Mathematics Institute, Universidad de Buenos Aires Full-time, Professor Tenure Status: Non Tenure Track (Invited twice as Visiting Professor. 1. Oct-Nov 2013 and 2. Oct-Nov 2020)

- 2017/7 - 2018/7 Visiting Researcher
Departamento de Eletrotécnica, Federal University of Goiás (UFG) and Federal Institute of Goiás (IFG).
Part-time
Tenure Status: Non Tenure Track
- 2015/7 - 2015/8 Visiting Researcher
I3S Laboratory, Sophia Antipolis, Centre national de la recherche scientifique
Part-time
Tenure Status: Non Tenure Track
- 2012/7 - 2015/8 Visiting Professor
Computer Science, Universidad de Buenos Aires
Part-time, Professor
Tenure Status: Non Tenure Track
(Invited **twice** as Visiting Professor between 1. Jul-Sep 2012, and 2. Jul-Aug 2015 - funded by CELFI:Latin-American Center for Interdisciplinary Training)
- 2015/6 - 2015/7 Visiting Professor - Excellence Campus Program
IMS, Université de Bordeaux I
Part-time, Professor
Tenure Status: Non Tenure Track
- 2012/5 - 2013/9 Visiting Researcher
OASIS Team, INRIA Sophia-Antipolis
Part-time
Tenure Status: Non Tenure Track
(Invited **twice** as Visiting Researcher from 1. May-Jul 2012 and 2. May-Sep 2013)
- 2012/7 - 2012/9 Visiting Professor
Computer Science, Universidad de Buenos Aires
Part-time
Tenure Status: Non Tenure Track
- 2005/7 - 2012/7 Associate Professor
Systems and Computer Engineering, Carleton University
Full-time, Associate Professor
Tenure Status: Tenure
- 2012/5 - 2012/6 Visiting Professor
Computer Science, Polytechnic University of Catalonia – UPC
Part-time
Tenure Status: Non Tenure Track
- 2012/5 - 2012/6 Visiting Researcher
OASIS Team, INRIA Sophia-Antipolis
Part-time
Tenure Status: Non Tenure Track
- 2011/1 - 2011/12 Visiting Researcher
OASIS Team, INRIA Sophia-Antipolis
Part-time
Tenure Status: Non Tenure Track
- 2010/1 - 2010/12 Visiting Professor
Computer Science, École Polytechnique de Marseille
Full-time
Tenure Status: Non Tenure Track

- 2010/6 - 2010/8
 Visiting Professor
 Computer Science, (Ecole Polytechnique de Marseille), Université D'Aix-Marseille III
 (D'Economie & Sci)
 Part-time
 Tenure Status: Non Tenure Track
 (Invited **six times** as Visiting Professor between 1. May-Aug 2002, 2. May-Aug 2003, 3. May-Aug 2005, 4. Jun-Aug 2006, 5. Jun-Aug 2008 and 6. Jun-Aug 2010)
- 2007/5 - 2009/6
 Visiting Researcher
 MASCOTTE Team, INRIA Sophia-Antipolis
 Part-time
 Tenure Status: Non Tenure Track
 (Invited **twice** as Visiting Researcher between 1. May-Aug 2007 and 2. May-Jul 2009)
- 2008/6 - 2008/8
 Visiting Professor
 Computer Science, Université de Nice Sophia-Antipolis
 Part-time
 Tenure Status: Non Tenure Track
- 2008/6 - 2008/7
 Visiting Professor
 Computer Science, Université D'Aix-Marseille III (D'Economie & Sci)
 Part-time
 Tenure Status: Non Tenure Track
- 2008/5 - 2008/6
 Visiting professor
 Computer Science, Universidad Complutense de Madrid
 Part-time
 Tenure Status: Non Tenure Track
- 2007/5 - 2007/8
 Visiting Researcher
 MASCOTTE Team, INRIA Sophia-Antipolis
 Full-time
 Tenure Status: Non Tenure Track
- 2005/5 - 2006/7
 Visiting Professor
 Computer Science, Université D'Aix-Marseille III (D'Economie & Sci)
 Part-time
 Tenure Status: Non Tenure Track
- 2004/7 - 2005/7
 Assistant Professor
 Systems and Computer Engineering, Carleton University
 Full-time, Assistant Professor
 Tenure Status: Tenure
- 2000/7 - 2004/7
 Assistant Professor
 Systems and Computer Engineering, Carleton University
 Full-time, Assistant Professor
 Tenure Status: Tenure Track
- 2002/1 - 2003/12
 Visiting Professor
 Computer Science, Université D'Aix-Marseille III (D'Economie & Sci)
 Part-time
 Tenure Status: Non Tenure Track
- 1998/1 - 2000/12
 Visiting Professor
 Caleta Olivia, Universidad Nacional de la Patagonia Austral
 Full-time
 Tenure Status: Non Tenure Track

1997/7 - 2000/7	Assistant Professor Computer Science, Universidad de Buenos Aires Full-time, Assistant Professor Tenure Status: Tenure Track
1999/6 - 1999/7	Visiting Professor Facultad Regional Santa Fe, Universidad Tecnológica Nacional Full-time Tenure Status: Non Tenure Track
1996/3 - 1997/12	Visiting Professor Faculty of Sciences, Engineering and Agriculture, Universidad Nacional de Rosario Full-time Tenure Status: Non Tenure Track
1993/7 - 1997/7	Lecturer Computer Science, Universidad de Buenos Aires Full-time, Lecturer Tenure Status: Non Tenure Track
1998/6 - 1984/6	Free-lance systems development, consulting and training Part-time Activities included software design and development, network technical support, IT technical design and consulting (details of each of the projects available upon request). Companies:- METALURGICA NOGOYA S.A. (1984/85). - MARIO SZAFIR ELECTROMETALURGICA S.A. (1985/86). - EQUIPAMIENTOS AGUILAR S.A. (1986). - CIPPYME - Centro Integral para el Perfeccionamiento de las Pequeñas y Medianas Empresas (1986/98) - BELLINA S.A. (1987).- BASS S.A. (1987/88). - CLAUDIO DE PIZZINI S.C.A. (1988/89). - PIERUZZINI Y KLEIN S.A. (1987/90). - PEDEVI S.A. (1991/93). - LABORATORIOS BRITANIA S.A. (1992). - RMS S.A. (1992/1993). - ADDISON-WESLEY ARGENTINA S.A. (1994). - SOFRECOM S.A. (1994). - SECONT S.R.L. (1994) - CRISTINA MEJIAS SOCIOLOGIA (1994) - M.y T. S.A. (1994/95)

Affiliations

The primary affiliation is denoted by (*)

1996/6	Member (1996); Fellow (2016), SCS (Society for Modeling and Simulation International)
1994/6	Senior Member, IEEE (Institute of Electrical and Electronic Engineers)
1990/1	Member, Association for Computer Machinery (ACM)

Research Funding History

Awarded [n=11]

2018/10 - 2021/10 Principal Applicant	SUSTAIN: Unified Simulation Techniques for Advanced In-building Networks, Grant, Operating Project Description: Autodesk Research
	Funding Sources:
2018/4 - 2021/4	Natural Sciences and Engineering Research Council of Canada (NSERC) Strategic Partnership Individual (SPG) Total Funding - 690,500 (Canadian dollar) Portion of Funding Received - 690,500 (Canadian dollar) Funding Competitive?: Yes

2020/6 - 2021/6 Principal Applicant	International Research Seed Grant, Grant	Funding Sources:	Carleton University International Research Seed Grant. Total Funding - 10,000 Portion of Funding Received - 10,000 Funding Competitive?: Yes
2015/5 - 2021/4 Principal Investigator	Methodologies for real-time modeling and simulation, Grant, Operating	Funding Sources:	2015/5 - 2021/4 Natural Sciences and Engineering Research Council of Canada (NSERC) Discovery Grants Total Funding - 300,000 (Canadian dollar) Portion of Funding Received - 300,000 (Canadian dollar) Funding Renewable?: No Funding Competitive?: Yes
2018/3 - 2021/3 Principal Investigator	Simulation Techniques for Sustainability in Buildings, Grant, Operating	Funding Sources:	2018/3 - 2021/3 Autodesk Research Total Funding - 77,000 (Canadian dollar) Portion of Funding Received - 77,000 (Canadian dollar) Funding Competitive?: Yes
2020/7 - 2020/12 Principal Investigator	Modeling and simulation of hybrid systems., Grant	Funding Sources:	Mathematics of Information Technology and Complex Systems (MITACS) CALAREO Total Funding - 6,000 Portion of Funding Received - 6,000 Funding Competitive?: Yes
2015/7 - 2020/7 Principal Applicant	Carleton University ELBA program for Engineering	Funding Sources:	2015/7 - 2020/7 Carleton University ELBA funding for Engineering Total Funding - 65,000 Portion of Funding Received - 65,000 (Canadian dollar) Funding Competitive?: No
2019/4 - 2020/4 Co-investigator	Urban Futures, Grant, Establishment	Funding Sources:	2019/4 - 2020/4 Carleton University Carleton Multidisciplinary Research Catalyst Fund (MRCF) Total Funding - 100,000 Portion of Funding Received - 5,000 (Canadian dollar) Funding Renewable?: No Funding Competitive?: Yes
2018/9 - 2019/9	IoT Platform for Disaster Response, Grant		

Principal Investigator	<p>Funding Sources:</p> <p>2018/9 - 2019/9 Mathematics of Information Technology and Complex Systems (MITACS) Accelerate Total Funding - 80,000 (Canadian dollar) Portion of Funding Received - 80,000 (Canadian dollar) Funding Renewable?: Yes Funding Competitive?: Yes</p> <p>2017/8 - 2018/8 Quebec (CRIAQ) Total Funding - 50,000 (Canadian dollar) Portion of Funding Received - 50,000 (Canadian dollar) Funding Renewable?: Yes Funding Competitive?: Yes</p>
2018/8 - 2019/8 Principal Investigator	<p>A prototype to analyze the resilience of complex systems infrastructures, Grant</p> <p>Funding Sources:</p> <p>2018/8 - 2019/8 Carleton University NSE Research Development Grants Total Funding - 10,000 (Canadian dollar) Portion of Funding Received - 10,000 (Canadian dollar) Funding Renewable?: No Funding Competitive?: Yes</p>
2018/9 - 2019/5 Co-applicant	<p>Human Robot Collaboration using a prototype human operated multi-domain control station to control and supervise a large team of collaborative autonomous UxVs (with Cohort Systems), Contract</p> <p>Funding Sources:</p> <p>2018/9 - 2019/5 Department of National Defence IDeAS Total Funding - 199,500 Portion of Funding Received - 78,000 (Canadian dollar) Funding Renewable?: No Funding Competitive?: Yes</p>
2018/9 - 2019/2 Principal Investigator	<p>Resilience analysis method and tool for Humanitas, Grant</p> <p>Funding Sources:</p> <p>Humanitas Solutions Total Funding - 7,250 Portion of Funding Received - 7,250 Funding Competitive?: No</p> <p>2018/9 - 2019/2 Natural Sciences and Engineering Research Council of Canada (NSERC) Engage Total Funding - 25,000 (Canadian dollar) Portion of Funding Received - 25,000 (Canadian dollar) Funding Renewable?: No Funding Competitive?: Yes</p>
Completed [n=40] 2019/10 - 2019/10 Principal Applicant	<p>Multidisciplinary research on ontologies for modeling and simulation in biology, Scholarship</p>

Funding Sources:

2019/10 - 2019/10 Cultural Services of the French Embassy (US)
Mourou-Strickland
Total Funding - 2,500
Portion of Funding Received - 2,500 (Canadian dollar)
Funding Competitive?: Yes

2017/9 - 2018/4
Principal Applicant Advanced models for hydraulic fracturing, Contract

Funding Sources:

2017/8 - 2018/4 Natural Resources Canada
Total Funding - 23,000 (Canadian dollar)
Portion of Funding Received - 23,000 (Canadian dollar)
Funding Renewable?: No
Funding Competitive?: Yes

2017/1 - 2018/4
Principal Investigator Preliminary Unmanned Aircraft System (UAS) Traffic Simulation, Contract

Funding Sources:

Transport Canada
Total Funding - 25,000 (Canadian dollar)
Portion of Funding Received - 12,500 (Canadian dollar)
Funding Competitive?: Yes

2016/7 - 2017/7
Principal Investigator Distributed Simulation and Modeling, Grant

Funding Sources:

2016/7 - 2017/7 Carleton University
International Cooperation Fund
Total Funding - 6,000
Portion of Funding Received - 6,000
Funding Competitive?: Yes

2015/1 - 2015/12
Principal Investigator Porting SageTea's Virtual Machine for QNX to Android, Grant, Operating

Funding Sources:

2015/5 - 2015/12 Mathematics of Information Technology and Complex Systems
(MITACS)
ACCELERATE
Total Funding - 15,000 (Canadian dollar)
Portion of Funding Received - 15,000 (Canadian dollar)
Funding Renewable?: No
Funding Competitive?: Yes

2015/1 - 2015/12 SageTea Inc
Total Funding - 13,000 (Canadian dollar)
Portion of Funding Received - 13,000 (Canadian dollar)
Funding Renewable?: No
Funding Competitive?: No

2015/1 - 2015/12 IRAP
Total Funding - 50,000 (Canadian dollar)
Portion of Funding Received - 50,000 (Canadian dollar)
Funding Renewable?: No
Funding Competitive?: Yes

2015/5 - 2015/11
Collaborator Extended Cloud Computing and Applications, Grant, Operating
Clinical Research Project?: No

Funding Sources:

2015/5 - 2015/11 Mathematics of Information Technology and Complex Systems (MITACS)
SAVI Networks (Accelerate)
Total Funding - 13,333 (Canadian dollar)
Portion of Funding Received - 13,333 (Canadian dollar)
Funding Renewable?: No
Funding Competitive?: No

2013/9 - 2015/9 Distributed Algorithms for Coordinated Multi-Point Operation, Grant
Principal Investigator

Funding Sources:

2013/9 - 2015/9 Natural Sciences and Engineering Research Council of Canada (NSERC)
CRD
Total Funding - 50,000
Portion of Funding Received - 50,000
Funding Competitive?: Yes

2013/9 - 2015/9 Ontario Ministry of Training, Colleges and Universities
Queen Elizabeth II
Total Funding - 20,000 (Canadian dollar)
Portion of Funding Received - 20,000 (Canadian dollar)
Funding Renewable?: No
Funding Competitive?: Yes

2013/9 - 2015/9 Ericsson Research Canada
Total Funding - 61,880
Portion of Funding Received - 61,880
Funding Competitive?: Yes

2015/1 - 2015/5 Pedestrian Modeling to Ensure Business Continuity with Public Transit Investment, Grant
Principal Investigator

Funding Sources:

2015/1 - 2015/7 Bentall Kennedy
Engage
Total Funding - 6,720
Portion of Funding Received - 6,720
Funding Competitive?: No

2015/1 - 2015/7 Natural Sciences and Engineering Research Council of Canada (NSERC)
Engage
Total Funding - 25,000
Portion of Funding Received - 25,000
Funding Competitive?: Yes

2010/5 - 2015/5 Methodologies for real-time modeling and simulation, Grant
Principal Investigator

Funding Sources:

2010/5 - 2015/5 Natural Sciences and Engineering Research Council of Canada (NSERC)
Discovery Grants
Total Funding - 155,000
Portion of Funding Received - 155,000
Funding Competitive?: Yes

2014/4 - 2015/5 Carleton University Research Achievement Award, Grant

Principal Investigator **Funding Sources:**
 2014/7 - 2015/7 Carleton University
 Total Funding - 15,000
 Portion of Funding Received - 15,000
 Funding Competitive?: Yes

2014/7 - 2014/12 Semantic interoperability for SageTea, Grant
 Principal Investigator **Funding Sources:**
 2014/7 - 2014/12 Natural Sciences and Engineering Research Council of Canada (NSERC)
 Engage
 Total Funding - 25,000
 Portion of Funding Received - 25,000
 Funding Competitive?: Yes

2014/7 - 2014/12 SageTea Inc.
 Total Funding - 7,720
 Portion of Funding Received - 7,720
 Funding Competitive?: No

2010/9 - 2014/4 Enable CAD, Grant
 Co-investigator **Funding Sources:**
 2010/9 - 2014/4 GRAND NCE
 Total Funding - 78,500
 Portion of Funding Received - 78,500
 Funding Competitive?: Yes

2013/1 - 2014/1 Model-Based Real-Time Application Development for Bioresponsive Building Envelopes,
 Principal Investigator Grant **Funding Sources:**
 2013/1 - 2014/1 Autodesk Research
 Total Funding - 15,000
 Portion of Funding Received - 15,000
 Funding Competitive?: No

2013/1 - 2013/1 Mathematics of Information Technology and Complex Systems (MITACS)
 Total Funding - 30,000
 Portion of Funding Received - 30,000
 Funding Competitive?: Yes

2011/10 - 2013/10 DISSIMINET associate team: Web-Service approaches for simulation, Grant
 Co-investigator **Funding Sources:**
 2011/6 - 2013/6 Institut National de Recherche en Informatique et Automatique (INRIA)
 Associate Teams
 Total Funding - 35,000
 Portion of Funding Received - 15,000
 Funding Competitive?: Yes

2013/1 - 2013/9 Interoperable Simulation ready IFC-driven DEVS Models, Grant
 Principal Investigator

Funding Sources:

2012/1 - 2012/9 Natural Sciences and Engineering Research Council of Canada (NSERC)
ENGAGE
Total Funding - 25,000
Portion of Funding Received - 25,000
Funding Competitive?: Yes

2012/1 - 2012/9 Autodesk Research
Total Funding - 6,720
Portion of Funding Received - 6,720
Funding Competitive?: No

2005/9 - 2013/9 Development of Model-Based Real-Time Software on the IXA platform, Grant
Principal Investigator

Funding Sources:

2003/9 - 2015/9 Ministry of Training, Colleges and Universities of Ontario
OGSST/Queen Elizabeth II
Total Funding - 90,000 (Canadian dollar)
Portion of Funding Received - 90,000 (Canadian dollar)
Funding Renewable?: No
Funding Competitive?: Yes

2005/9 - 2010/9 Intel (USA)
IXA University
Total Funding - 66,990
Portion of Funding Received - 66,990
Funding Competitive?: No

2012/4 - 2012/10 Distributed Simulation Algorithms for Coordinated Multi-Point Operation, Grant
Principal Investigator

Funding Sources:

2012/4 - 2012/10 Ericsson Research Canada
Total Funding - 6,720
Portion of Funding Received - 6,720
Funding Competitive?: No

2012/4 - 2012/9 Natural Sciences and Engineering Research Council of Canada (NSERC)
Engage
Total Funding - 25,000
Portion of Funding Received - 25,000
Funding Competitive?: Yes

2010/9 - 2012/9 Emergency facilities management and wireless applications support for first responders,
Collaborator Grant

Funding Sources:

2010/6 - 2012/6 Natural Sciences and Engineering Research Council of Canada (NSERC)
CRD
Total Funding - 90,000
Portion of Funding Received - 30,000
Funding Competitive?: Yes

2011/9 - 2012/3 Augmented Reality of Multimedia Delivery on Smartphones, Grant
Principal Investigator

Funding Sources:

2011/9 - 2012/4 Ideeclic Inc.
 Total Funding - 6,720
 Portion of Funding Received - 6,720
 Funding Competitive?: No

2011/9 - 2012/3 Natural Sciences and Engineering Research Council of Canada
 (NSERC)
 Engage
 Total Funding - 25,000
 Portion of Funding Received - 25,000
 Funding Competitive?: Yes

2004/9 - 2010/9 Advanced Laboratory for real-time Modeling and Simulation, Grant
 Principal Investigator

Funding Sources:

2004/9 - 2010/9 Canada Foundation for Innovation (CFI)
 New Opportunities
 Total Funding - 488,073
 Portion of Funding Received - 488,073
 Funding Competitive?: Yes

2005/5 - 2010/4 Methodologies for real-time modeling and simulation, Grant
 Principal Investigator

Funding Sources:

2005/5 - 2010/4 Natural Sciences and Engineering Research Council of Canada
 (NSERC)
 Discovery Grants
 Total Funding - 120,000 (Canadian dollar)
 Portion of Funding Received - 120,000 (Canadian dollar)
 Funding Renewable?: No
 Funding Competitive?: Yes

2009/1 - 2009/9 Parallel Simulation in Multicore Architectures, Grant
 Principal Investigator

Funding Sources:

2009/1 - 2009/9 Mathematics of Information Technology and Complex Systems
 (MITACS)
 ACCELERATE Ontario
 Total Funding - 9,734
 Portion of Funding Received - 9,734
 Funding Competitive?: Yes

2009/4 - 2009/4 Cell-BE Workshop, Grant
 Co-applicant

Funding Sources:

2009/4 - 2009/4 Mathematics of Information Technology and Complex Systems
 (MITACS)
 Workshops
 Total Funding - 10,000
 Portion of Funding Received - 0
 Funding Competitive?: Yes

2004/4 - 2009/4 V-SIM - Carleton University Centre for Advanced Studies in Visualization and Simulation -
 Co-applicant (With Ontario Innovation Trust, Department of National Defence, and industrial partners),
 Grant

Funding Sources:

2004/4 - 2009/4 Canada Foundation for Innovation (CFI)
 Total Funding - 28,316,360
 Portion of Funding Received - 1,032,325
 Funding Competitive?: Yes

2000/7 - 2008/6 Real-time modeling and simulation, Grant
 Principal Investigator

Funding Sources:

2000/7 - 2008/6 CITO - Carleton University
 CITR - Startup
 Total Funding - 45,000 (Canadian dollar)
 Portion of Funding Received - 45,000 (Canadian dollar)
 Funding Renewable?: No
 Funding Competitive?: No

2007/5 - 2008/6 Amirix AP100, Grant, Equipment
 Principal Investigator

Funding Sources:

2007/5 - 2008/5 CMC Electronics
 Total Funding - 54,352 (Canadian dollar)
 Portion of Funding Received - 54,352 (Canadian dollar)
 Funding Renewable?: No
 Funding Competitive?: Yes

2006/9 - 2007/9 Federation Grid (FedGrid), Contract
 Co-applicant

Funding Sources:

2006/9 - 2007/9 CANARIE Inc (Ottawa, ON)
 CIIP
 Total Funding - 498,000 (Canadian dollar)
 Portion of Funding Received - 256,000 (Canadian dollar)
 Funding Renewable?: No
 Funding Competitive?: Yes

2006/5 - 2007/5 Participatory Design Studio, Grant
 Co-investigator

Funding Sources:

2006/5 - 2007/5 CANARIE Inc (Ottawa, ON)
 CIIP
 Total Funding - 1,200,000 (Canadian dollar)
 Portion of Funding Received - 37,000 (Canadian dollar)
 Funding Renewable?: No
 Funding Competitive?: Yes

2005/5 - 2006/4 Modeling and Simulation methodologies for Real-Time Systems development, Grant

Funding Sources:

2005/5 - 2006/4 Carleton University
 Research Achievement Award
 Total Funding - 15,000 (Canadian dollar)
 Portion of Funding Received - 15,000 (Canadian dollar)
 Funding Renewable?: No
 Funding Competitive?: Yes

2003/5 - 2005/5 Simulation facility for Performance Research, Grant, Equipment
 Co-applicant

Funding Sources:

2003/5 - 2005/5 Natural Sciences and Engineering Research Council of Canada (NSERC)
 Equipment grants
 Total Funding - 35,093 (Canadian dollar)
 Portion of Funding Received - 5,263 (Canadian dollar)
 Funding Renewable?: No
 Funding Competitive?: Yes

2004/5 - 2005/5 Digital Architectural (Re)construction Program, Grant
 Co-investigator

Funding Sources:

2004/5 - 2005/5 Canadian Heritage
 New Media Research network fund
 Total Funding - 582,000 (Canadian dollar)
 Portion of Funding Received - 15,000 (Canadian dollar)
 Funding Renewable?: No
 Funding Competitive?: Yes

2004/5 - 2005/4 CD++ Builder: an Eclipse-based platform to develop Real-Time applications, Grant
 Principal Investigator

Funding Sources:

2004/5 - 2005/4 IBM Corporation, USA
 Eclipse Innovation Award
 Total Funding - 38,000 (Canadian dollar)
 Portion of Funding Received - 38,000 (Canadian dollar)
 Funding Renewable?: No
 Funding Competitive?: Yes

2001/5 - 2005/4 Methodologies for real-time modeling and simulation, Grant
 Principal Investigator

Funding Sources:

2001/5 - 2005/4 Natural Sciences and Engineering Research Council of Canada (NSERC)
 Operational Grants
 Total Funding - 68,000 (Canadian dollar)
 Portion of Funding Received - 68,000 (Canadian dollar)
 Funding Renewable?: No
 Funding Competitive?: Yes

2003/5 - 2004/4 A methodology to build real-time controllers, Grant
 Principal Investigator

Funding Sources:

2003/5 - 2004/4 Precarn Incorporated
 IRIS New Opportunities Fund
 Total Funding - 35,000 (Canadian dollar)
 Portion of Funding Received - 35,000 (Canadian dollar)
 Funding Renewable?: No
 Funding Competitive?: Yes

2000/1 - 2003/12 Advanced methodologies on discrete event simulation, Grant
 Principal Investigator

Funding Sources:

2000/1 - 2002/1 Universidad de Buenos Aires (Argentina)
 UBACYT - Young researchers grants
 Total Funding - 7,500 (Canadian dollar)
 Portion of Funding Received - 7,500 (Canadian dollar)
 Funding Renewable?: No
 Funding Competitive?: Yes

2000/1 - 2003/1 Parallel Simulation of DEVS models, Grant
 Principal Investigator

Funding Sources:

2000/1 - 2003/1 Consejo Nacional de Investigaciones Científicas y Técnicas
 (CONICET) (Argentina)
 Total Funding - 7,500 (Canadian dollar)
 Portion of Funding Received - 7,500 (Canadian dollar)
 Funding Renewable?: No
 Funding Competitive?: Yes

2001/5 - 2002/5 HLA, VV&A, and Simulation Sciences Knowledge, Contract
 Co-applicant

Funding Sources:

2001/5 - 2002/5 National Defence (Canada)
 Total Funding - 25,000 (Canadian dollar)
 Portion of Funding Received - 5,000 (Canadian dollar)
 Funding Renewable?: No
 Funding Competitive?: No

1999/1 - 2001/12 Discrete event simulation of cell-based systems, Grant
 Principal Investigator

Funding Sources:

1999/1 - 2001/12 Agencia Nacional de Promoción Científica y Tecnológica (ANPCyT)
 (Argentina)
 PICT - Young researchers Research Grant
 Total Funding - 22,500 (Canadian dollar)
 Portion of Funding Received - 22,500 (Canadian dollar)
 Funding Renewable?: No
 Funding Competitive?: Yes
 Funding Reference Number: 11-04460

2000/1 - 2000/12 The ParDEVS Laboratory (FCEN/UBA, Argentina), Grant, Equipment
 Principal Investigator

Funding Sources:

2000/1 - 2000/12 Compaq Latin America
 Total Funding - 45,000 (Canadian dollar)
 Portion of Funding Received - 45,000 (Canadian dollar)
 Funding Renewable?: No
 Funding Competitive?: No

1999/7 - 2000/6 A simulated processor using the DEVS formalism, Grant
 Principal Investigator

Funding Sources:

1999/7 - 2000/6 Usenix foundation
 Total Funding - 21,000 (Canadian dollar)
 Portion of Funding Received - 21,000 (Canadian dollar)
 Funding Renewable?: No
 Funding Competitive?: Yes

Courses Taught

- 2001/09/01 - 2019/01/01 - Professor, Systems and Computer Engineering, Carleton University
 Course Title: (also HCIN 5405, SYSC 5807, 94.587). Methodologies for discrete-event modeling and simulation (F'01-05, F'07-12, F'14-15, W'16, F'16-19)
 Course Code: SYSC 5104
 Course Level: Graduate
- 2012/09/01 - 2016/12/15 - Professor, Systems and Computer Engineering, Carleton University
 Course Title: Operating Systems (F'12; F'14, F'16)
 Course Code: SYSC 4001
 Course Level: Undergraduate
- 2003/09/01 - 2016/05/01 - Professor, Systems and Computer Engineering, Carleton University
 Course Title: Introduction to Real-Time Systems (W'03-6, W'08-13, W'15-16)
 Course Code: SYSC 2003
 Course Level: Undergraduate
- 2012/09/01 - 2015/11/01 - Professor, Computer Science Department, Universidad de Buenos Aires
 Course Title: Discrete-Event Simulation (2 short courses)
 Course Level: Graduate
- 2007/09/01 - 2012/12/01 - Professor, Systems and Computer Engineering, Carleton University
 Course Title: Operating Systems and Databases (F'07, F'10, F'12)
 Course Code: SYSC 3001
 Course Level: Undergraduate
- 2003/09/01 - 2011/12/01 - Professor, Systems and Computer Engineering, Carleton University
 Course Title: Computer Organization (F'03-05, F'08-09, F'11)
 Course Code: SYSC 3006
 Course Level: Undergraduate
- 2000/09/01 - 2002/12/15 - Professor, Systems and Computer Engineering, Carleton University
 Course Title: Computer Organization (F'00-02)
 Course Code: 94.306
 Course Level: Undergraduate
- 2001/09/01 - 2002/05/01 - Professor, Systems and Computer Engineering, Carleton University
 Course Title: Introduction to Real-Time Systems (W'01-2)
 Course Code: 94.203
 Course Level: Undergraduate
- 1997/03/01 - 2000/06/15 - Professor, Computer Science Department, Universidad de Buenos Aires
 Course Title: Computer Organization I (1997-2000 F/W)
 Course Level: Undergraduate
- 1996/09/01 - 1999/08/01 - Professor, Universidad de Buenos Aires
 Course Title: Discrete-Event simulation (W'96W to F'99).
 Course Level: Graduate
- 1993/03/01 - 1998/12/01 - Instructor, Universidad de Buenos Aires
 Course Title: Real-Time Systems (F/W '93-98)
 Course Level: Graduate
- 1991/08/01 - 1992/12/15 - Instructor, Computer Science Department, Universidad de Buenos Aires
 Course Title: Operating Systems Laboratory (Elective; 1991F/1992F)
 Course Level: Undergraduate

2013/09/01 - Professor, Applied Mathematics Institute, Universidad de Buenos Aires
 0201/12/01 Course Title: Discrete-Event Simulation (2013 F)
 Course Level: Graduate

Course Development

2005/7 Professor, Carleton University
 Course Title: The course SYSC-2003 was redeveloped to include new hardware. The course SYSC-5104 was developed from scratch. In both cases a new set of assignments, slides and lab experiments were developed.

2001/6 Coordinator, Systems and Computer Engineering, Carleton University
 Course Title: Real-Time and Computing Systems Teaching Activity Group
 Coordination and meetings with 6 professors in the area (plus the Department Chair, the Lab Coordinator, external members), discussion about course contents, pedagogical decisions and equipment needs, reporting to the Chair and the Department Board

1993/7 Instructor/Profesor, Computer Science Department, Universidad de Buenos Aires
 Course Title: The courses "Discrete-Event simulation", "Real-Time Systems", "Computer Organization I" and "Operating Systems Lab" were developed from scratch, including a new set of assignments, course slides, and literature.

Student/Postdoctoral Supervision

Bachelor's [n=83]

2019/9 - 2020/5 Mehdi Mehar, Carleton University
 Principal Supervisor Thesis/Project Title: Development of cyber-physical systems using a model-based approach
 Present Position: Student, Carleton University

2019/9 - 2020/5 José Franco, Carleton University
 Principal Supervisor Thesis/Project Title: Development of cyber-physical systems using a model-based approach
 Present Position: Student, Carleton University

2019/9 - 2020/5 Majd Salaheddin, Carleton University
 Principal Supervisor Thesis/Project Title: Development of cyber-physical systems using a model-based approach
 Present Position: Student, Carleton University

2019/9 - 2020/5 Aryan Rashidi-Tabrizi, Carleton University
 Principal Supervisor Thesis/Project Title: Development of cyber-physical systems using a model-based approach
 Present Position: Student, Carleton University

2018/9 - 2019/5 Eli Yammine, Carleton University
 Principal Supervisor Thesis/Project Title: Improving an Online Viewer for Simulation Models
 Present Position: Student, Carleton University

2018/9 - 2019/5 Denis Chupin, Carleton University
 Principal Supervisor Thesis/Project Title: Improving an Online Viewer for Simulation Models
 Present Position: Student, Carleton University

2018/9 - 2019/5 Majed Nayef, Carleton University
 Principal Supervisor Thesis/Project Title: Improving an Online Viewer for Simulation Models
 Present Position: Student, Carleton University

2017/5 - 2017/9 Principal Supervisor	Shamoon Irshad, Carleton University Thesis/Project Title: Developing software controllers for robotic and quadcopter applications using Embedded DEVS (NSERC USRA) Present Position: Embedded Software Engineering, Ciena
2016/5 - 2016/6 Principal Supervisor	Maaiké Suderham, Carleton University Thesis/Project Title: Analysis of D2D simulation models in LTE-A architectures
2015/5 - 2015/9 Principal Supervisor	Omar Khan, Carleton University Thesis/Project Title: Developing control software for quadcopter applications using CD++
2015/5 - 2015/9 Principal Supervisor	Ian Mangione, Carleton University Thesis/Project Title: Development of control algorithms for robotic applications using CD++
2015/5 - 2015/9 Principal Supervisor	Stuti Rastogi, Carleton University Thesis/Project Title: Building mashup applications using the RISE middleware and Simulation as a Service (MITACS Globalink)
2013/6 - 2013/7 Principal Supervisor	Shikai Wang, Central South University, China Thesis/Project Title: Embedded systems development with CD++ (MITACS Globalink student) Present Position: Master student, Tsinghua University, China
2013/5 - 2013/8 Principal Supervisor	Falco Bastien (Completed) , University of Montpellier, France Thesis/Project Title: CD++Builder: a platform to develop DEVS models Present Position: Senior Mobile Engineer, Compass, France
2013/4 - 2013/9 Principal Supervisor	Victor Freire (Completed) , Universidade Federal de Campina Grande, Brazil Thesis/Project Title: 3D Modeling and Visualization of Crowds using the IFC standard (MITACS Globalink student) Present Position: M.C.S. Student, University of Sao Paulo, Brazil
2012/9 - 2013/5 Principal Supervisor	Imran Iqbal (Completed) , Carleton University Thesis/Project Title: Embedded Real Time systems: Robotic applications Present Position: J9 JVM Software Developer IBM Canada Ltd.
2012/9 - 2013/5 Principal Supervisor	Joanna Lostracco (Completed) , Carleton University Thesis/Project Title: Visualizing models for Biomedical Applications: Disease Transmission Present Position: Analyst; Statistics Canada
2012/9 - 2013/3 Principal Supervisor	Jonathan Lam (Completed) , Carleton University Thesis/Project Title: Embedded Real Time systems: Robotic applications Present Position: Unknown
2012/9 - 2013/5 Principal Supervisor	Myriam Younan (Completed) , Carleton University Thesis/Project Title: Visualizing models for Biomedical Applications: Disease Transmission Present Position: SVT/PV Engineer at Ciena
2012/9 - 2013/5 Principal Supervisor	Eman Al Disi (Completed) , Carleton University Thesis/Project Title: Visualizing models for Biomedical Applications: Disease Transmission Present Position: Software Developer Empowered Networks
2012/9 - 2013/5 Principal Supervisor	Jonathon Panke (Completed) , Carleton University Thesis/Project Title: Stock Market Tycoon: Mobile simulation with applications for serious gaming Present Position: Unknown

- 2012/9 - 2013/5
Principal Supervisor Andrew Jeffery (Completed) , Carleton University
Thesis/Project Title: Stock Market Tycoon: Mobile simulation with applications for serious gaming
Present Position: Jr Software Developer at Espial
- 2012/9 - 2013/5
Principal Supervisor Michael Chen (Completed) , Carleton University
Thesis/Project Title: Embedded Real Time systems: Robotic applications
Present Position: Software Engineer, General Dynamics Canada
- 2012/9 - 2013/5
Principal Supervisor Nicholas Eaket (Completed) , Carleton University
Thesis/Project Title: Stock Market Tycoon: Mobile simulation with applications for serious gaming
Present Position: Software Developer. 360pi
- 2012/1 - 2012/3
Principal Supervisor Mariya Sharovar (Completed)
Thesis/Project Title: OS development with Minix (I-CUREUS program for undergraduate students)
- 2011/9 - 2012/5
Principal Supervisor Bryce Mitchell (Completed) , Carleton University
Thesis/Project Title: Modifying the Kernel of an Operating system
Present Position: Jr Embedded Engineer Aversan Inc.
- 2011/9 - 2012/5
Principal Supervisor Daniel Leblond (Completed) , Carleton University
Thesis/Project Title: CUHub: an application for community building
Present Position: Software Design Engineer in Test (SDET) Microsoft Corp.
- 2011/9 - 2012/5
Principal Supervisor Rohit Zijoo (Completed) , Carleton University
Thesis/Project Title: CUHub: an application for community building
Present Position: Accepted for the M.A.Sc. program, Carleton University
- 2011/9 - 2012/5
Principal Supervisor Adam Wlotzki (Completed) , Carleton University
Thesis/Project Title: Modifying the Kernel of an Operating system
Present Position: Technical Consultant I - Security Operations Innovapost
- 2011/9 - 2012/5
Principal Supervisor Seyed Mohammad Etemad, Carleton University
Thesis/Project Title: MOSA: a virtual lab for simulation on Smartphones
- 2011/9 - 2012/5
Principal Supervisor Lee Simbeye (Completed) , Carleton University
Thesis/Project Title: MOSA: a virtual lab for simulation on Smartphones
- 2011/9 - 2012/5
Principal Supervisor Joyce Alsayegh (Completed) , Carleton University
Thesis/Project Title: CUHub: an application for community building
Present Position: Control Systems Programmer at Interactive Engineering and Programming FZ LLE
- 2011/9 - 2012/5
Principal Supervisor Mana H.Zargari (Completed) , Carleton University
Thesis/Project Title: CUHub: an application for community building
- 2011/9 - 2012/5
Principal Supervisor Milton Johane (Completed) , Carleton University
Thesis/Project Title: MOSA: a virtual lab for simulation on Smartphones
Present Position: Software Developer Corporate Business Solutions, Botswana
- 2011/5 - 2011/9
Principal Supervisor Dherrick Nhan (Completed) , Carleton University
Thesis/Project Title: Dherrick Nhan – Biomedical: compiling TPS
Present Position: Accepted for the M.D. program, University of Toronto
- 2011/5 - 2011/9
Principal Supervisor Amit Badlani (Completed) , Carleton University
Thesis/Project Title: An environment for Real-Time Embedded modeling and simulation (MITACS Globalink scholar)
Present Position: M.Sc. Student, Stanford University

2011/5 - 2011/8 Principal Supervisor	Nathanael Masri (Completed) , Carleton University Thesis/Project Title: CD++Builder
2010/9 - 2011/5 Principal Supervisor	Araz Boghossian (Completed) , Carleton University Thesis/Project Title: Embedded Real Time systems: Robotic applications Present Position: Junior Consultant at EME Group Inc.
2010/9 - 2011/5 Principal Supervisor	Sarmad Abdi (Completed) , Carleton University Thesis/Project Title: Simulation and visualization of nerve synapsins in 3D Present Position: Software Test Associate, Intern at BlackBerry
2010/9 - 2011/5 Principal Supervisor	Louay Abdelkader (Completed) , Carleton University Thesis/Project Title: Simulation and visualization of nerve synapsins in 3D Present Position: M.A.Sc. Student, McMaster University
2010/9 - 2011/5 Principal Supervisor	Manuanand Muruganandhan (Completed) , Carleton University Thesis/Project Title: Simulation and visualization of nerve synapsins in 3D Present Position: SAP WM/EWM/MM Consultant IBM
2010/9 - 2011/5 Principal Supervisor	Michael Van Schyndel, Carleton University Thesis/Project Title: Parallel/Multicore programming using the Cell BE processor Present Position: M.A.Sc. Student, Carleton University
2010/9 - 2011/5 Principal Supervisor	Luis Lopez (Completed) , Carleton University Thesis/Project Title: Embedded Real Time systems: Robotic applications Present Position: Software Engineer at Bluink Ltd
2010/9 - 2011/5 Principal Supervisor	Cheryl D'Souza, Carleton University Thesis/Project Title: Parallel/Multicore programming using the Cell BE processor
2010/9 - 2011/5 Principal Supervisor	Katherine Newcombe (Completed) , Carleton University Thesis/Project Title: Embedded Real Time systems: Robotic applications
2010/9 - 2011/5 Principal Supervisor	Akshat Babaria (Completed) , Carleton University Thesis/Project Title: Parallel/Multicore programming using the Cell BE processor Present Position: Service Technician at Bell Technical Solutions
2010/5 - 2010/9 Principal Supervisor	Philippe Nguyen (Completed) Thesis/Project Title: Advanced visualization of tethered particle system
2009/5 - 2009/9 Principal Supervisor	N. Farran (Completed) , Université d'Aix-Marseille III Thesis/Project Title: Modeling and simulation of biological systems with Tethered Particle Systems
2009/5 - 2009/9 Principal Supervisor	S. Lissari (Completed) , Université d'Aix-Marseille III Thesis/Project Title: Modeling and simulation of biological systems with Tethered Particle Systems
2009/5 - 2009/9 Principal Supervisor	H. Yigang (Completed) , Université d'Aix-Marseille III Thesis/Project Title: Modeling and simulation of biological systems with Tethered Particle Systems
2009/5 - 2009/9 Principal Supervisor	D. Tall. (Completed) , Université d'Aix-Marseille III Thesis/Project Title: Modeling and simulation of biological systems with Tethered Particle Systems
2008/9 - 2009/5 Principal Supervisor	Rohit Rishi (Completed) , Carleton University Thesis/Project Title: Development of real-time embedded systems using a model-based approach Present Position: Software Developer at IBM Canada Ltd.

2008/9 - 2009/5 Principal Supervisor	Yehia Elsayy (Completed) , Carleton University Thesis/Project Title: Parallel/Distributed simulation of complex systems
2008/9 - 2009/5 Principal Supervisor	Narges Mobarhani (Completed) , Carleton University Thesis/Project Title: Parallel/Distributed simulation of complex systems
2008/9 - 2009/5 Principal Supervisor	Sharmeen Yousuf (Completed) , Carleton University Thesis/Project Title: Parallel/Distributed simulation of complex systems
2008/9 - 2009/5 Principal Supervisor	Arindam Pramanik (Completed) , Carleton University Thesis/Project Title: CD++Builder: an Eclipse Platform for Modelling and Simulation Present Position: Director International Trade Exchange Ltd.
2008/9 - 2009/5 Principal Supervisor	Abdul Ahmed (Completed) , Carleton University Thesis/Project Title: Parallel/Distributed simulation of complex systems Present Position: Software Designer at Curtiss-Wright Controls
2008/9 - 2009/5 Principal Supervisor	Shaikh Asif (Completed) , Carleton University Thesis/Project Title: Parallel/Distributed simulation of complex systems Present Position: Data and Business Intelligence Analytics Bell Canada
2008/9 - 2009/5 Principal Supervisor	Prachit Rohatgi (Completed) , Carleton University Thesis/Project Title: Development of real-time embedded systems using a model-based approach Present Position: Program Manager, Global Technology Legal Compliance at SAP
2008/9 - 2009/5 Principal Supervisor	Ruslan Nasir (Completed) , Carleton University Thesis/Project Title: CD++Builder: an Eclipse Platform for Modelling and Simulation Present Position: MBA Student, University of Toronto
2007/9 - 2008/5 Principal Supervisor	Kevin Philipose (Completed) , Carleton University Thesis/Project Title: Using Atlantis to build an SNMP-based monitoring system
2007/9 - 2008/5 Principal Supervisor	Ronand Amelunge Antelo (Completed) , Carleton University Thesis/Project Title: Using Atlantis to build an SNMP-based monitoring system Present Position: MiCloud Contact Center Specialist at Mitel
2007/9 - 2008/5 Principal Supervisor	Kalaimathan Mahenthiran (Completed) , Carleton University Thesis/Project Title: Using Atlantis to build an SNMP-based monitoring system Present Position: Software Designer, Atomic Energy of Canada Limited (AECL)
2007/9 - 2008/5 Principal Supervisor	Tunde Adams (Completed) , Carleton University Thesis/Project Title: CD++Builder: an Eclipse Platform for M&S Present Position: Junior Software Engineer at Lumenera Corporation
2007/9 - 2008/5 Principal Supervisor	Jia Long (Completed) , Carleton University Thesis/Project Title: CD++Builder: an Eclipse Platform for M&S
2004/9 - 2005/5 Principal Supervisor	Stephen Lombardi, Carleton University Thesis/Project Title: InterfacingDEVs Modeling and Simulation tools Other Supervisors: Co-Supervisor - Zeigler, Bernard
2004/9 - 2005/5 Principal Supervisor	Jonathan Abrams, Atyka Adidharma, Christopher Choquette, Chow Lim, Ethan Sturuss, Yong Zhang (Completed) , Carleton University Thesis/Project Title: Development of Real-time Object Oriented Embedded Systems
2004/9 - 2005/5 Principal Supervisor	Satheejan Guganathan, Figo Mphato, Piragalathan Pathmasenan, Carleton University Thesis/Project Title: Developing RFID applications with Atlantis
2003/9 - 2004/5 Principal Supervisor	Pat Suwalski, Carleton University Thesis/Project Title: Automotive Computing with Gaming Console Hardware

2003/9 - 2004/5 Principal Supervisor	Guangjie Deng, Andrew Lyn, Carleton University Thesis/Project Title: CarletonUniversity Carpool System
2003/9 - 2004/5 Principal Supervisor	Wilson Venhola, Carleton University Thesis/Project Title: Visualizationof Complex Simulation Models
2003/9 - 2004/5 Principal Supervisor	Alexander Dias, Banan Al-Aubiydy, Carleton University Thesis/Project Title: Modelingand Simulation of Biomedical Applications
2003/9 - 2004/5 Principal Supervisor	Ibrahim Hamdy, Mohamed Najm, Akram Saleh, Carleton University Thesis/Project Title: Modelingembedded applications with the IXA Platform
2003/9 - 2004/5 Principal Supervisor	Carlos Castro, Stephanie Cox, Kevin Friesen, Jason Prince, Carleton University Thesis/Project Title: IEEEEDesign Competition
2003/9 - 2004/5 Principal Supervisor	Nadeem Douba, Said Mohamed (Completed) , Carleton University Thesis/Project Title: InterfacingRT-OO Systems and Embedded Systems
2003/9 - 2004/5 Principal Supervisor	Jon Anderson, Carleton University Thesis/Project Title: EmbeddedLinux build/distribution system
2002/9 - 2003/5 Principal Supervisor	Mohamed Ahmed A. El-Salam, Khalil Yonis, Abdul Raman El-Shafei, Carleton University Thesis/Project Title: Modeling and simulation of complex communicationsystems
2002/9 - 2003/5 Principal Supervisor	Heba El-Helou, Carleton University Thesis/Project Title: Parallel and distributed simulation
2001/9 - 2002/5 Principal Supervisor	Franklin Donbosco, Robert Holwell, Carleton University Thesis/Project Title: The Carleton University Carpool System
2001/9 - 2002/5 Principal Supervisor	Trevor Thomas, Carleton University Thesis/Project Title: An environmental control system for aqua cultureand marine aquaria
2001/9 - 2002/5 Principal Supervisor	Shaylesh Mehta, Carleton University Thesis/Project Title: Mixed Signal VHDL Modelling and Simulation
2001/9 - 2002/5 Principal Supervisor	Shannon Borho, Jan Pittner, Carleton University Thesis/Project Title: Implementation of a Graphical User Interface forthe ATLAS modeling language
2001/9 - 2002/5 Principal Supervisor	Matt Chmiel, Shawn French, Stephen Haber, Carleton University Thesis/Project Title: Group Messaging System

Bachelor's Equivalent [n=1]

2016/1 - 2016/12 Principal Supervisor	Victor Guida Silva, Carleton University Thesis/Project Title: Modeling and Simulation of Device-to-Device communications in LTE-A environments Present Position: Master Student, USP, Brazil
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Master's Equivalent [n=31]

2019/2 - 2020/12 Principal Supervisor	Juan Lanuza, University of Buenos Aires, Argentina Thesis/Project Title: Building a Parallel DEVS simulation engine Present Position: M.C.S. Student
2016/11 - 2019/3 Principal Supervisor	Laouen Belolli, Universidad de Buenos Aires, Argentina (and DFAIT - ELAP Scholar at Carleton University) Thesis/Project Title: Biological Modeling And Simulation As A Service Present Position: Ph.D student INSERM, Paris, France

2008/1 - 2010/1 Principal Supervisor	Matias Bonaventura (Completed) , Universidad de Buenos Aires, Argentina Thesis/Project Title: An environment for development graphical models using E-CD++ Present Position: Researcher, CERN, Geneva, Switzerland; Ph.D. student Carleton in cotutelle with UBA
2007/4 - 2007/11 Principal Supervisor	Loic Quinet, Université Blaise-Pascal, France (summer internship at Carleton University) Thesis/Project Title: Distributed simulation of DEVS models Present Position: Technical Support Manager, Mangin-Egly Enterprises, France
2007/4 - 2007/11 Principal Supervisor	Julien Chazal, Université Blaise-Pascal, France (summer internship at Carleton University) Thesis/Project Title: Distributed DEVS models on user-defined lightpaths
2006/6 - 2008/6 Principal Supervisor	Juan Ignacio Cidre (Completed) , Universidad de Buenos Aires, Argentina Thesis/Project Title: A web-based interface for the CD++ modeler toolkit
2001/3 - 2004/3 Principal Supervisor	Leandro de San Miguel (Completed) , Universidad de Buenos Aires, Argentina Thesis/Project Title: Analysis of quantized continuous Cell-DEVS
2001/3 - 2004/3 Principal Supervisor	Mariana D'Abreu (Completed) , Universidad de Buenos Aires, Argentina Thesis/Project Title: Modeling hybrid systems using the DEVS formalism
2000/3 - 2003/3 Principal Supervisor	Alejandro López (Completed) , Universidad de Buenos Aires, Argentina Thesis/Project Title: Extending the Cell-DEVS modeling language
2000/3 - 2003/3 Principal Supervisor	Alejandro Dobniewski (Completed) , Universidad de Buenos Aires, Argentina Thesis/Project Title: An specification language for DEVS modeling
2000/3 - 2003/3 Principal Supervisor	Gustavo Fossatti (Completed) , Universidad de Buenos Aires, Argentina Thesis/Project Title: Fault-tolerant Real-times cheduling techniques in an open-source Operating System
2000/3 - 2003/3 Principal Supervisor	Jose Luis Dominguez (Completed) , Universidad de Buenos Aires, Argentina Thesis/Project Title: Fault-tolerant Real-times cheduling techniques in an open-source Operating System
2000/3 - 2003/3 Principal Supervisor	Gastón Christen (Completed) , Universidad de Buenos Aires, Argentina Thesis/Project Title: An specification language for DEVS modeling
1999/9 - 2002/3 Principal Supervisor	Ezequiel Glinisky (Completed) , Universidad de Buenos Aires, Argentina Thesis/Project Title: Real-time simulation of DEVS models
1999/3 - 2001/3 Principal Supervisor	Alejandro Troccoli (Completed) , Universidad de Buenos Aires, Argentina Thesis/Project Title: Execution of Cell-DEVS models in a parallel environment
1999/3 - 2001/3 Principal Supervisor	Edgardo Szulzstein (Completed) , Universidad de Buenos Aires, Argentina Thesis/Project Title: Conservative parallel discrete-event simulation in Warped
1998/3 - 2000/3 Principal Supervisor	Pablo Esper (Completed) , Universidad de Buenos Aires, Argentina Thesis/Project Title: Including real-time scheduling techniques in the IGNATIUS SCADA toolkit
1998/3 - 2000/3 Principal Supervisor	César Torres (Completed) , Universidad de Buenos Aires, Argentina Thesis/Project Title: Construction of a compiler for the ATLAS modeling language
1998/3 - 2000/3 Principal Supervisor	Javier Ameghino (Completed) , Universidad de Buenos Aires, Argentina Thesis/Project Title: Modeling complex physical systems with Cell-DEVS
1998/3 - 2000/3 Principal Supervisor	Verónica Vázquez (Completed) , Universidad de Buenos Aires, Argentina Thesis/Project Title: Routing and congestion in ATLAS
1998/3 - 2000/3 Principal Supervisor	Mariana Lo Tártaro (Completed) , Universidad de Buenos Aires, Argentina Thesis/Project Title: Construction of a compiler for the ATLAS modeling language

1998/3 - 2000/3 Principal Supervisor	Andrea Díaz (Completed) , Universidad de Buenos Aires, Argentina Thesis/Project Title: Routing and congestion in ATLAS
1998/3 - 2000/3 Principal Supervisor	Pablo Rogina (Completed) , Universidad de Buenos Aires, Argentina Thesis/Project Title: Analysis of fault-tolerant techniques in sensors for hard real-time applications
1997/3 - 1999/3 Principal Supervisor	María Eugenia Nazar (Completed) , Universidad de Buenos Aires, Argentina Thesis/Project Title: Design and implementation of alternative real-time scheduling in an experimental operating system
1997/3 - 1999/3 Principal Supervisor	Viviana Albarracín (Completed) , Universidad de Buenos Aires, Argentina Thesis/Project Title: Design and implementation of alternative real-time scheduling in an educational operating system
1997/3 - 1999/3 Principal Supervisor	Alejandra Davidson (Completed) , Universidad de Buenos Aires, Argentina Thesis/Project Title: Definition of ATLAS, a specification language for urban traffic modeling
1997/3 - 1999/3 Principal Supervisor	Daniel Rodríguez (Completed) , Universidad de Buenos Aires, Argentina Thesis/Project Title: Implementing n-dimensional Cell-DEVS models
1996/3 - 1998/3 Principal Supervisor	Amir Barylko (Completed) , Universidad de Buenos Aires, Argentina Thesis/Project Title: CD++: an environment for simulation of Cell-DEVS models
1996/3 - 1998/3 Principal Supervisor	Jorge Beyoglonian (Completed) , Universidad de Buenos Aires, Argentina Thesis/Project Title: CD++: an environment for simulation of Cell-DEVS models
1995/3 - 1997/3 Principal Supervisor	Juan José Seoane (Completed) , Universidad de Buenos Aires, Argentina Thesis/Project Title: IGNATIUS: a tool to develop SCADA systems
1995/3 - 1997/3 Principal Supervisor	Silvia Benítez (Completed) , Universidad de Buenos Aires, Argentina Thesis/Project Title: IGNATIUS:a tool to develop SCADA systems

Master's non-Thesis [n=15]

2019/9 - 2020/12 Principal Supervisor	Shreya Taneja, Carleton University Thesis/Project Title: A platform for distributed execution of simulation models Present Position: Masters Student
2019/1 - 2020/1 Principal Supervisor	Navneet Kaushal, Carleton University Thesis/Project Title: A parser for providing online visualization of Cell-DEVS and DEVS models Present Position: Software Developer - IBM Canada IBM Cloud and Cognitive Software
2018/9 - 2020/5 Principal Supervisor	Arnav Kaushal, Carleton University Thesis/Project Title: Integration of a remote simulation as a service platform and a web-based interface Present Position: Mobile and Web Application Developer at TheAppLabb
2018/9 - 2020/5 Principal Supervisor	Ankit Vig, Carleton University Thesis/Project Title: Defining DEVS formal models using a simulation as a service Present Position: M.Eng. Student, Carleton University
2017/9 - 2018/5 Principal Supervisor	Srivastav Janapalli, Carleton University Thesis/Project Title: Interaction of pedestrian vehicle models in a 3D immersive simulation application Present Position: Application Analyst - Ceridian

2017/9 - 2018/5
Principal Supervisor Daniel Melean, Carleton University
Thesis/Project Title: PID controller for quadcopters using DEVSRT **Carleton University Senate Medal for Outstanding Graduate Work–M.Eng.**
Present Position: Unknown

2017/9 - 2018/5
Principal Supervisor Gurveen Kaur, Carleton University
Thesis/Project Title: Advanced controller for roboti capplications using DEVSRT
Present Position: Consultant- Hybrid Identity and Cyber Security Avaleris Inc.

2017/9 - 2018/5
Principal Supervisor Mandeep Singh Bal, Carleton University
Thesis/Project Title: Advanced controller for quadcopters using DEVSRT
Present Position: SIEM infrastructure Analyst - Deloitte

2017/6 - 2017/12
Principal Supervisor Sagar Patel, Carleton University
Thesis/Project Title: Advanced DEVS controller for robotic application
Present Position: Software developer - Ciena

2015/6 - 2015/12
Principal Supervisor Natalia Gorbenko, Carleton University
Thesis/Project Title: Technical Support Excellence Modeling using CloudComputing
Present Position: Software Engineering - Ciena

2015/1 - 2015/12
Principal Supervisor Ali Salaheddin, Carleton University
Thesis/Project Title: Building an embedded controller for a quadcopter using the DEVS formalism
Present Position: Software Developer, Ericsson Inc., Ottawa

2009/1 - 2012/1
Principal Supervisor K. Waqas Muhi (Completed) , Carleton University
Thesis/Project Title: Applying the Tethered Particle Systems method for modeling nerve terminals
Present Position: Product Verification Engineer, Nakina Systems

2008/1 - 2012/1
Principal Supervisor Ardeshir Golshani (Completed) , Carleton University
Thesis/Project Title: Growth Detector and Plate Analyzer Applications
Present Position: Solution Analyst at Mxi Technologies

2000/9 - 2001/9
Principal Supervisor Xuqing Wu (Completed) , Carleton University
Thesis/Project Title: A graphical tool todefine DEVS models

2000/9 - 2001/9
Co-Supervisor Ying Wang (Completed) , Carleton University
Thesis/Project Title: Defining graphical output behavior in a DEVS modeling environment
Other Supervisors: Co-Supervisor - Petriu, Dorina

Master's Thesis [n=30]

2020/9 - 2022/9
Principal Supervisor Ivo Ayala Garcia, Carleton University
Thesis/Project Title: TBD
Present Position: Masters Student

2020/5 - 2022/9
Principal Supervisor Griffin Szymanski - Barrett, Carleton University
Thesis/Project Title: TBC
Present Position: Masters Student

2020/1 - 2022/1
Principal Supervisor Mitali Patel, Carleton University
Thesis/Project Title: Advanced modeling of cellular DEVS for pandemic analysis
Present Position: Masters Student

2019/9 - 2021/9
Principal Supervisor Robert Barwell, Carleton University
Thesis/Project Title: Definition of Experimental Frameworks for logistic modeling in defense applications
Present Position: Masters Student, Department of National Defence

- 2019/5 - 2021/9
Principal Supervisor Benjamin Earle, Carleton University
Thesis/Project Title: Building an Operating System Real-Time kernel using a model-based approach
Present Position: M.A.Sc. Student, Carleton University
- 2016/9 - 2018/9
Principal Supervisor Ifeoluwa Oyelowo, Carleton University
Thesis/Project Title: Modeling and Simulation for Assessing the Risk of Near Mid-Air Collisions in Unmanned Aerial Systems. ***Nominated to Carleton University Senate Medal for Outstanding Graduate Work – Masters Level.***
Present Position: Software Test Specialist at Magnet Forensics
- 2014/1 - 2017/1
Principal Supervisor Mohammad Seyed Etemad, Carleton University
Thesis/Project Title: Simulation of Coordinated Multipoint Using Discrete Event Systems Specification
Present Position: Software developer at Kandy.io
- 2013/9 - 2016/9
Principal Supervisor Jan Mikhail, Carleton University
Thesis/Project Title: Improving The Performance of LTE-A Networks Using Coordinated Multipoint Techniques (***NSERC PGS - Masters***)
Present Position: CTO and Founder at Buzzyn Rewards
- 2013/9 - 2015/8
Principal Supervisor Daniella Niyonkuru, Carleton University
Thesis/Project Title: Development of a bare-metal environment for Embedded C++
Carleton University Senate Medal for Outstanding Graduate Work–Masterslevel.
Present Position: Software Developer, Shopify Inc., Ottawa, ON
- 2012/9 - 2014/7
Principal Supervisor Elizabeth Hosang, Carleton University
Thesis/Project Title: Using The Coalition Battle Management Language Standard For Interacting With The Restful Interoperability Simulation Environment
Present Position: Software Architect at CAE
- 2012/3 - 2015/12
Principal Supervisor Cheryl D'Souza (Completed) , Carleton University
Thesis/Project Title: Using Discrete Event System Specification in Real-Time (DEVSRT) in Order to Model and Simulate Artificial Pancreas.
Present Position: Software Developer, General Dynamics
- 2011/9 - 2014/5
Principal Supervisor Michael Van Schyndel (Completed) , Carleton University
Thesis/Project Title: Computational Fluid Dynamic Solver based on Cellular Discrete-Event Simulation for use in Biological Systems
Present Position: Business Analyst, 2Keys
- 2011/1 - 2013/1
Principal Supervisor Colin Timmons (Completed) , Carleton University
Thesis/Project Title: Thin Client Distributed Simulation of Discrete Event Models
Present Position: Department of National Defence / Canadian Armed Forces Synthetic Environment Coordination Officer
- 2008/1 - 2011/1
Principal Supervisor Erik Esselar (Completed) , Carleton University
Thesis/Project Title: Visualizing Innovation: Modelling and Simulation in Support of Defence Innovation Networks
Present Position: Officer Commanding Support Squadron Canadian Forces School of Communications and Electronics (CFSCE)
- 2008/1 - 2010/1
Principal Supervisor Yuri Boiko (Completed) , Carleton University
Thesis/Project Title: Improving the Performance of Neural Networks through Parallel Processing in the Cell Broadband Engine
Present Position: Ph.D. Student, University of Ottawa

- 2007/9 - 2009/9
Principal Supervisor Rhys Goldstein (Completed) , Carleton University
Thesis/Project Title: DEVS-Based Dynamic Simulation of Deformable Biological Structures
(Carleton University Medal for Outstanding Graduate Work - Master's Level)
Present Position: Research Scientist, Autodesk Research Canada
- 2006/1 - 2009/1
Principal Supervisor Rachid Chreyh (Completed) , Carleton University
Thesis/Project Title: An internet-based repository for DEVS models and their experimental frames
Present Position: Senior Systems Analyst, NavCanada
- 2006/1 - 2009/1
Principal Supervisor Bo Feng (Completed) , Carleton University
Thesis/Project Title: Implementing parallel and distributed DEVS and cell-DEVS simulation in a windows platform
Present Position: Software Developer, Cogeco Inc.
- 2005/9 - 2007/9
Principal Supervisor Marcelo Gutiérrez-Alcaraz (Completed) , Carleton University
Thesis/Project Title: An Eclipse-based environment for RT DEVS **(Harvard LASPAU Scholar)**
- 2005/4 - 2007/4
Principal Supervisor Yingfeng Yu (Completed) , Carleton University
Thesis/Project Title: Designing extensions for the use of CD++ to build embedded discrete-event systems
- 2005/4 - 2007/4
Principal Supervisor Hui Shang (Completed) , Carleton University
Thesis/Project Title: Including dynamic DEVS models in the Embedded CD++ platform
- 2004/9 - 2007/9
Principal Supervisor Shafagh Jafer (Completed) , Carleton University
Thesis/Project Title: Modeling advanced cellular models with Parallel Cell-DEVS
- 2004/9 - 2006/9
Principal Supervisor Rami Madhoun, Carleton University
Thesis/Project Title: Web-Services definition of Discrete-Event simulation services
- 2004/9 - 2006/9
Principal Supervisor Qi Liu, Carleton University
Thesis/Project Title: Experimental analysis of Parallel DEVS in CD++ **(Carleton University Senate Medal for Outstanding Academic Achievement – Master Level)**
- 2004/1 - 2007/1
Principal Supervisor Hesham Saadawi (Completed) , Carleton University
Thesis/Project Title: Verification methodology for DEVS models
Present Position: Visiting Assistant Professor, University of St. Thomas, St. Paul
- 2002/9 - 2004/9
Co-Supervisor Roxana Djafarzadeh (Completed) , University of Ottawa
Thesis/Project Title: Modeling and Simulation of Cellular Metabolism and Energy Production by Mitochondria

Other Supervisors: Co-Supervisor - Mussivand, Tofy
- 2002/9 - 2004/9
Principal Supervisor Ezequiel Glinsky (Completed) , Carleton University
Thesis/Project Title: Integrating Time-Warp and Parallel DEVS simulation algorithms for improved performance of Parallel Cell-DEVS **(Carleton University Senate Medal for Outstanding Academic Achievement – Master Level)**
- 2001/9 - 2003/9
Principal Supervisor Hesham Saadawi (Completed) , Carleton University
Thesis/Project Title: Improving the Finite Elements Method using Cell-DEVS
- 2001/9 - 2003/9
Principal Supervisor Wenhong Chen (Completed) , Carleton University
Thesis/Project Title: A facility for remote execution and visualization of Cell-DEVS models
- 2000/9 - 2002/9
Co-Supervisor Amir Saghir (Completed) , Carleton University
Thesis/Project Title: Computer system modeling at the hardware level

Other Supervisors: Principal Supervisor - Pearce, Trevor

Doctorate [n=25]

2020/9 - 2024/9 Principal Supervisor	Ali Moradvandi, Carleton University Thesis/Project Title: TBD Present Position: PhD Student, Carleton University
2020/2 - 2024/9 Principal Supervisor	Román Cárdenas, Carleton University Thesis/Project Title: TBC (Co supervised by José Luis Risco-Martín; UCM, Spain) Present Position: Ph.D. Student, Carleton University and UCM, Spain
2018/9 - 2022/9 Principal Supervisor	Guillermo Trabes, Carleton University and National University of San Luis Thesis/Project Title: Advanced Parallelization Techniques for Discrete-Event Modeling And Simulation Present Position: Ph.D student, Carleton University Other Supervisors: Co-Supervisor - Gil-Costa, Verónica
2017/9 - 2020/9 Principal Supervisor	Talal Qamar, Carleton University Thesis/Project Title: Formal definition of Environmental Frameworks for DEVS Present Position: Ph.D student, Carleton University
2017/9 - 2021/9 Principal Supervisor	Bruno Saint-Aubin, Carleton University Student Degree Start Date: 2017/9 Thesis/Project Title: An architecture for distributed simulation and integration of simulation and visualization services Present Position: Ph.D Student, Carleton University
2017/6 - 2020/1 Co-Supervisor	Márcio Rodrigues da Cunha Reis, Federal University of Goiás, Brazil Thesis/Project Title: Optimization and Control Methods to Maximize Performance for a Switched Reluctance Motor Present Position: Assistant Professor, University of Goias, Brazil Other Supervisors: Principal Supervisor - Pacheco, Wesley
2017/6 - 2020/4 Co-Supervisor	Alana da Silva Magalhães, Federal University of Goiás, Brazil Student Degree Start Date: 2014/9 Thesis/Project Title: Reducing harmonic levels in synchronous generators using inductive generators Present Position: Ph.D student, University of Goias, Brazil Other Supervisors: Principal Supervisor - Pacheco, Wesley
2017/5 - 2020/9 Co-Supervisor	Viviane Margarida Gomes, University of Goias, Brazil Thesis/Project Title: Modeling and Simulation Applied to Metrics for Systems Complexity Present Position: Ph.D. Student, University of Goias, Brazil Other Supervisors: Principal Supervisor - Pacheco, Wesley
2017/5 - 2019/6 Co-Supervisor	name withheld, Carleton University Thesis/Project Title: name withheld Present Position: Postdoctoral Fellow, Carleton University
2017/1 - 2021/1 Principal Supervisor	Joseph Boi-Ukeme, Carleton University Thesis/Project Title: Fault-tolerant methods for discrete-event modeling in Cyber-Physical systems Present Position: Ph.D student, Carleton University
2017/1 - 2021/1 Co-Supervisor	Alan Henrique Ferreira Silva (In Progress) , Federal University of Goiás, Brazil Student Degree Start Date: 2016/9 Thesis/Project Title: Neural Network Optimization for Translation Present Position: Ph.D student, University of Goias, Brazil Other Supervisors: Principal Supervisor - Pacheco, Wesley

- 2014/9 - 2019/3
Principal Supervisor Omar Hesham, Carleton University
Thesis/Project Title: Centroidal Particle Dynamics: An Explicit Model of Pedestrian Personal Space for the Simulation of Short-Range Collision-Avoidance and Emergent Motion Patterns in Dense Crowds
Present Position: Graphics & HPC Lead at Zetane
- 2014/1 - 2018/3
Co-Supervisor Cristina Ruiz-Martín, Carleton University in co-tutelle with University of Valladolid, Spain
Thesis/Project Title: A framework to study the resilience of organizations: a case study of a nuclear emergency plan. **Carleton University Senate Medal for Outstanding Graduate Work–Ph.D. Level.**
Present Position: Postdoctoral Fellow and Instructor, Carleton University
Other Supervisors: Co-Supervisor - Lopez Paredes, Adolfo
- 2013/9 - 2018/8
Principal Supervisor Baha Uddin Kazi, Carleton University
Thesis/Project Title: Dynamic Coordination Architecture and Mobility Management for Next Generation Cooperative Cellular Networks”. **Nominated to Carleton University Senate Medal for Outstanding Graduate Work–Ph.D. Level.**
Present Position: Postdoctoral Fellow and Instructor, Carleton University
- 2013/9 - 2018/8
Principal Supervisor Ala'a Al-Habashna, Carleton University
Thesis/Project Title: Quality of Experience-Aware Progressive Video Caching and Adaptive Device-to-Device Video Streaming for Cellular Networks with High User Density. **Nominated to Carleton University Senate Medal for Outstanding Graduate Work–Ph.D. Level.**
Present Position: Postdoctoral Fellow and Instructor, Carleton University
- 2013/1 - 2015/12
Co-Supervisor Damian Vicino, Carleton University in co-tutelle with Université de Nice-Sophia-Antipolis, France
Thesis/Project Title: Time representation, encoding and processing in Discrete Events Simulation
Present Position: Researcher, Amazon Inc., Toronto, ON
Other Supervisors: Co-Supervisor - Dalle, Olivier
- 2012/1 - 2016/12
Principal Supervisor Misagh Tavanpour, Carleton University
Thesis/Project Title: Upload User Collaboration in the Data Upload for LTE-Advanced Networks
Present Position: Software Engineer at CISCO
- 2012/1 - 2016/3
Principal Supervisor Sixuan Wang, Carleton University
Thesis/Project Title: Semantic Mashups Architecture for Reusability with Simulation as a Service
Present Position: Cloud Architect, Alibaba
- 2008/1 - 2011/12
Principal Supervisor Ahmed Ahmed Abdalwhab Sayed Ahmed (Completed) , Carleton University
Thesis/Project Title: A Framework for Interoperability of Virtual Reality and Simulation Models in Support of Training
Present Position: Assistant Professor, Military Academy Cairo, Egypt
- 2007/5 - 2012/7
Principal Supervisor Hesham Saadawi (Completed) , Carleton University
Thesis/Project Title: Verification methodology for DEVS models
Present Position: Lecturer, University of Saint Thomas
- 2007/3 - 2011/9
Principal Supervisor Mohammad Moallemi (Completed) , Carleton University
Thesis/Project Title: Real-time and embedded systems development based on discrete event modeling and simulation (**Runner-up: Best DEVS Modeling and Simulation Ph.D. Dissertation Award 2013**)
Present Position: Research Assistant Professor, Embry-Riddell Aeronautical University

- 2007/1 - 2011/1
Principal Supervisor Shafagh Jafer (Completed) , Carleton University
Thesis/Project Title: Parallel simulation techniques for large-scale discrete-event models
(Carleton University Senate Medal for Outstanding Graduate Work–Ph.D. Level)
Present Position: Assistant Professor, Embry-Riddell Aeronautical University
- 2007/1 - 2011/1
Principal Supervisor Khaldoon Al-Zoubi (Completed) , Carleton University
Thesis/Project Title: Enhanced Distributed Simulation Interoperability and Algorithms Using Web Services **(Runner-up: Best DEVS Modeling and Simulation Ph.D. Dissertation Award 2012)**
Present Position: Software Developer at NavCanada
- 2006/1 - 2010/1
Principal Supervisor Qi Liu (Completed) , Carleton University
Thesis/Project Title: Algorithms for Parallel Simulation of Large-Scale DEVS and Cell-DEVS Models **(Best DEVS Modeling and Simulation Ph.D. Dissertation Award 2012.)**
Present Position: Software Engineer II, Windows Azure Analytics. Microsoft Corp.
- 2006/1 - 2010/1
Co-Supervisor Rodrigo Castro (Completed) , Universidad Nacional de Rosario, Argentina
Thesis/Project Title: Integrative Tools for Modeling, Simulation and Control of Data Networks (**Best DEVS Modeling and Simulation Ph.D. Dissertation Award 2013**)
Project Description: As part of his PhD studies, he was an ELAP Scholar (project: Simulation of distributed models with the IXA platform - 2008)
Present Position: Tenured Researcher, Assistant Professor, National Research Council (CONICET) and Univ.of Buenos Aires, Argentina
Other Supervisors: Co-Supervisor - Kofman, Ernesto

Post-doctorate [n=12]

- 2019/4 - 2020/4
Principal Supervisor Hoda Khalil, Carleton University
Thesis/Project Title: Modeling of CO2 sensors for improvement of sustainability and occupancy detection in buildings
Present Position: Postdoctoral Fellow and Instructor; Carleton University
- 2019/4 - 2021/4
Principal Supervisor Vinu Subashini Rajus, Carleton University
Thesis/Project Title: Defining Personas for DEVS modeling and simulation as an extension for generative design in buildings
Present Position: Postdoctoral Fellow; Carleton University
- 2018/9 - 2020/1
Principal Supervisor Ala'a Al-Habashna, Carleton University
Thesis/Project Title: An IoT infrastructure for development of emergency plans using advanced localization algorithms in 5G networks
Present Position: Postdoctoral Fellow, CIMS Lab; Instructor, BIT; Carleton University
- 2018/7 - 2021/7
Principal Supervisor Cristina Ruiz-Martín, Carleton University
Thesis/Project Title: Performance metrics and analysis for modeling and simulation of sustainability in buildings at a campus and regional scale
Present Position: Postdoctoral Fellow and Instructor; Carleton University
- 2018/6 - 2019/3
Principal Supervisor Baha Uddin Kazi, Carleton University
Thesis/Project Title: Advanced Models for 5G networks with application to IoT in emergency situations
Present Position: Contract Faculty, Ryerson University
- 2017/5 - 2018/8
Principal Supervisor Wesley Calixto Pacheco, Carleton University
Thesis/Project Title: Modeling and simulation of electromagnetic methods applied to geoprospection
Present Position: Professor, University of Goias, Brazil

2015/11 - 2016/6 Principal Supervisor	Bulent Cobanoglu, Carleton University Thesis/Project Title: Distributed Simulation with DEVS and HLA Present Position: Professor, Sarkarya University, Turkey
2015/5 - 2017/5 Co-Supervisor	Diego Ariel Hollmann, CIFASIS - Argentina Thesis/Project Title: Advanced testing methods with DEVS (co-supervisor of Prof. Maximiliano Cristá) Present Position: Assistant Professor, Catholic University Argentina
2014/8 - 2015/9 Principal Supervisor	Braulio Adriano de Mello, Carleton University Thesis/Project Title: Schedulability analysis for I-DEVS models (Visiting Scholar in 2018-9) Present Position: Assistant Professor, Universidade Federal da Fronteira Sul, Brazil
2013/1 - 2013/12 Principal Supervisor	Emilie Broutin (Completed) , Carleton University Thesis/Project Title: Distributed simulation with web services and smartphones Present Position: Researcher, University of Corte, Corsica
2011/1 - 2012/1 Principal Supervisor	Mohammad Moallemi (Completed) , Carleton University Thesis/Project Title: Embedded systems development with RT-DEVS with application to Augmented Reality using Smartphones Present Position: Research Assistant Professor, Embry-Riddell Aeronautical University
2011/1 - 2012/1 Principal Supervisor	Judicael Ribault (Completed) , Carleton University Thesis/Project Title: Integration and composition of models in global simulations using workflows Present Position: Research software developer, University of Bordeaux

Research Associate [n=10]

2020/2 - 2020/9 Principal Supervisor	Kevin Henares Vilaboa, Carleton University Thesis/Project Title: Parallel Simulation of DEVS models with energy consumption control Present Position: Ph.D. Student, Complutense University of Madrid, Spain
2020/1 - 2020/7 Principal Supervisor	Fernando Loor, Carleton University Thesis/Project Title: A method for simulating peer-to-peer networks in DEVS Present Position: Ph.D. Student, National University of San Luis, Argentina
2019/10 - 2020/10 Principal Supervisor	Tao Zheng, Carleton University Thesis/Project Title: "Distributed Simulation of DEVS models". Visiting Researcher from Beijing Institute of Space Long March Vehicle, Beijing, China. Funded by the Chinese Scholarship Council. Present Position: Visiting Research Scholar, Carleton University
2019/5 - 2019/9 Principal Supervisor	Kyle Bjornson, Carleton University Thesis/Project Title: Building a DEVS-Based robotic controller (NSERC USAR) Present Position: Embedded Systems Engineer, Riot Micro, Waterloo
2018/9 - 2020/9 Co-Supervisor	Nicolás Arellano, Carleton University (Co-supervisor of Prof. S. Fai, CIMS, Carleton University) Thesis/Project Title: Definition of 3D BIM models for simulation models of sustainability in campuses Present Position: Ph.D. Student, Carleton University
2018/9 - 2019/4 Co-Supervisor	Patrick Gavigan, Carleton University Thesis/Project Title: Building a BDI agent-based application on Jason for automated surveillance (co-supervisor of Prof. B. Esfandiari) Present Position: Ph.D student, Carleton University Other Supervisors: Principal Supervisor - Esfandiari, Babak

2018/9 - 2019/5 Co-Supervisor	Alan Davoust, Carleton University Thesis/Project Title: A software architecture to interface agent-based models and discrete-event simulation (co-supervisor of Prof. B. Esfandiari) Present Position: Assistant Professor, UQAO Other Supervisors: Principal Supervisor - Esfandiari, Babak
2018/1 - 2018/5 Principal Supervisor	Francisco Figari, University of Buenos Aires, Argentina Thesis/Project Title: Developing controllers for a quadcopter using embedded DEVS (Emerging Leaders of the Americas Program) Present Position: Masters Student, University of Buenos Aires, Argentina
2017/1 - 2017/6 Principal Supervisor	Neisser Pino Romero, Universidad Nacional Mayor de San Marcos, Perú Thesis/Project Title: Studying diffusion of disease using cellular models (Emerging Leaders of the Americas Program) Present Position: Professor, Universidad Peruana Cayetano Heredia
2015/1 - 2016/4 Principal Supervisor	Michael Van Schyndel, Carleton University Thesis/Project Title: Porting SageTea Virtual Machine Present Position: Business Analyst, 2Keys

Event Administration

2018/12 - 2023/12	Member of the Board of Directors, Winter Simulation Conference, Conference, INFORMS/SCS/ACM/IEEE, 2018/12 - 2023/12
2019/3 - 2021/3	Member of the Scientific Committee and Steering Committee, Symposium on Simulation in Architecture and Urban Design (SimAUD), Conference, SCS/ACM, 2020/6 - 2020/6
2019/6 - 2020/12	Track Co-Chair, Winter Simulation Conference - Modeling Methodologies - Orlando, FL, Conference, 2020/12 - 2020/12
2018/7 - 2020/6	Director-at-Large, Board of Directors, Society for Modeling and Simulation International; San Diego, CA, USA, Association, 2018/7 - 2020/6
2018/6 - 2020/6	Track Co-Chair, Winter Simulation Conference - Methodologies Track. Georgetown, MD., Conference, 2019/12 - 2019/12
2019/3 - 2020/5	Track Co-Chair, Theory and Foundations of Modeling and Simulation (TMS 2020), Washington, DC., Conference, Society for Modeling and Simulation International, 2020/5 - 2020/5
2018/7 - 2020/5	Member of the Steering Committee, Member of the Steering Committee, Spring Simulation Conference. Washington, DC, Conference, Society for Modeling and Simulation International, 2020/5 - 2020/5
2014/4 - 2019/6	Co-Founder and Chair of the Steering Committee, Symposium on Theory of Modeling and Simulation (TMS). - Tucson, AZ (2019) - Baltimore, MD (2018) - Virginia Beach, VA (2017) - Pasadena, CA (2016) - Alexandria, VA (2015) - Tampa, FL (2014), Conference, 2014/4 - 2019/6
2018/5 - 2019/5	Member of the Steering Committee, Symposium on Simulation for Architecture and Urban Design - SimAUD 2019, Atlanta, GA, Conference, 2019/5 - 2019/5
2013/12 - 2018/12	Program Committee Chair, Winter Simulation Conference, Las Vegas, NV, Conference, 2017/12 - 2017/12
2017/6 - 2018/7	Tutorial and Special Sessions Chair, 2018 IEEE International Conference on Computational Intelligence and Virtual Environments for Measurement Systems and Applications. Ottawa, ON., Conference, IEEE, 2018/3 - 2018/3

- 2009/4 - 2017/9 Co-Founder and Member of the Steering Committee, SimuTools Conference (since 2010).
- 2018 (Chengdu, China) - 2017 (Hong Kong, China) - 2016 (Prague, Czech Republic)
- 2015 (Athens, Greece); - 2014 (Coimbra, Portugal); - 2013 (Nice, France); - 2012
(Desanzano, Italy), Conference, 2017/8 - 2017/8
- 2011 (Barcelona, Spain); - 2010 (Málaga, Spain)
- 2014/7 - 2017/6 Director-at-Large, Board of Directors, Society for Modeling and Simulation International;
San Diego, CA, USA, Association, 2014/7 - 2017/6
- 2015/6 - 2016/9 Track Co-Chair, Winter Simulation Conference. Wintersim 2016. Arlington, VA,
Conference, INFORMS, 2015/12 - 2015/12
- 2015/7 - 2016/8 Chair of the Steering Committee, SummerSim 2016. Montreal, PQ, Canada., Conference,
SCS/ACM/IEEE, 2016/7 - 2016/7
- 2015/1 - 2015/7 Publicity Chair, Summer Simulation Multiconference SummerSim 2014. Monterey, CA,
Conference, Society of Modeling and Simulation International, 2014/7 - 2014/7
- 2012/7 - 2015/6 Vice-President, Conferences, Society for Modeling and Simulation International; San
Diego, CA. USA, Association, 2012/1 - 2015/6
- 2014/5 - 2014/5 Special Sessions Chair, 2014 IEEE International Conference on Computational
Intelligence and Virtual Environments for Measurement Systems and Applications.
Ottawa, ON, Conference, 2014/5 - 2014/5
- 2014/5 - 2014/5 Local Arrangement Chair, GRAND NCE Conference, Ottawa, ON, Conference, 2014/5 -
2014/5
- 2014/4 - 2014/4 Chair of the Steering Committee, Symposium on Theory of Modeling and Simulation
(TMS/DEVS'14), Tampa, FL, Conference, 2014/4 - 2014/4
- 2011/4 - 2014/4 Co-Founder and Member of the Advisory Board, Symposium on Simulation for
Architecture and Urban Design: - SimAUD 2014, Tampa, FL - SimAUD 2013, San Diego,
CA - SimAUD 2012, Orlando, FL, Conference, 2014/4 - 2014/4
- 2013/5 - 2013/5 Program Chair, First ACM SIGSIM Conference on Principles of Advanced Discrete
Simulation (PADS). Montréal, QC, Conference, 2013/5 - 2013/5
- 2012/12 - 2012/12 Track Co-Chair, Modelling Methodologies. Wintersim 2012. Berlin, Germany, Conference,
2012/12 - 2012/12
- 2010/7 - 2012/12 Vice-President, Publications, Society for Modeling and Simulation International; San
Diego, CA. USA, Association, 2010/7 - 2012/12
- 2012/5 - 2012/5 Workshop Chair, Modeling and Simulation in Cloud and Grid computing CCGRID'12,
Ottawa, ON, Workshop, 2012/5 - 2012/5
- 2012/3 - 2012/3 General Chair, Symposium on Theory of Modeling and Simulation (TMS/DEVS'12),
Orlando, FL, Conference, 2012/3 - 2012/3
- 2011/6 - 2011/6 Member of the Advisory Board, The 3rd International Workshop on IT Service & Cloud
Computing (ISCC 2011). Crete, Greece, Workshop, 2011/6 - 2011/6
- 2011/6 - 2011/6 Member of the Advisory Board, 25th European Conference on Modeling and Simulation.
Krakow, Poland, Conference, 2011/6 - 2011/6
- 2011/4 - 2011/4 General Chair, Symposium on Theory of Modeling and Simulation (DEVS'11), Boston,
MA, Conference, 2011/4 - 2011/4
- 2010/7 - 2010/7 Member of the Steering Committee, SummerSim 2010. Ottawa, ON, Conference, 2010/7 -
2010/7
- 2010/7 - 2010/7 General Chair, Summer Computer Simulation Conference. Ottawa, ON, Conference,
2010/7 - 2010/7

2010/4 - 2010/4	General Chair, Symposium on Theory of Modeling and Simulation, Orlando, FL, Conference, 2010/4 - 2010/4
2009/12 - 2009/12	Member of the International Advisory Board, The 2nd International Conference on Computer Science and its Applications. Jeju, Korea, Conference, 2009/12 - 2009/12
2001/1 - 2009/12	Chair of the DEVS Standardization Study Group, Simulation Interoperability Standards Organization, Association, 2001/1 - 2009/12
2009/1 - 2009/5	Member of the Organizing Committee, The 2nd Carleton Cell BE Programming Workshop. Ottawa, ON, Workshop, 2009/4 - 2009/4
2009/3 - 2009/3	General Co-Chair, SimuTools 2009, Rome, Italy, Conference, 2009/3 - 2009/3
2009/3 - 2009/3	General Chair, The SCS Spring Computer Simulation Conference. San Diego, CA. 2009, Conference, 2009/3 - 2009/3
2008/12 - 2008/12	Track Coordinator (Modeling Methodologies), Winter Simulation Conference 2008. Miami, FL, Conference, 2008/12 - 2008/12
2008/4 - 2008/4	Vice General Chair, The Spring Computer Simulation Conference 2008, Ottawa, ON, Canada, Conference, 2008/4 - 2008/4
2008/3 - 2008/3	Program Co-Chair, SimuTools 2008, Marseille, France, Conference, 2008/3 - 2008/3
2006/6 - 2008/2	General Chair, Summer Computer Simulation Conference. San Diego, CA., Conference, Society for Modeling and Simulation International, 2007/7 - 2007/7
2004/7 - 2006/6	Member of the Board of Directors, Methodologies Council, Association, Society for Modeling and Simulation International
2002/7 - 2004/7	Chair, Standards Committee, Association, Society for Modeling and Simulation International
2000/7 - 2002/7	Member of the Board of Directors, International Section, Association, Society for Modeling and Simulation International

Editorial Activities

2012/1 - 2021/1	Member of the Editorial Board, IEEE/AIP Computing in Science and Engineering, Journal
2009/1 - 2021/1	Member of the Editorial Board, Wireless Networks, Springer, Journal
2008/1 - 2021/1	Special Issues Editor, Simulation: Transactions of the Society for Modeling and Simulation International. San Diego, CA, USA, Journal
2008/1 - 2021/1	Associate Editor, Journal of Defense Modeling and Simulation. Society for Modeling and Simulation International. San Diego, CA, USA, Journal
2004/1 - 2021/1	Member of the Editorial Board, International Journal of Simulation and Process Modelling, Inderscience Publishers, Journal
2015/6 - 2018/6	Proceedings Co-Editor, Proceedings of the Winter Simulation Conference, Book Eds:V. Chan, A. D'Ambrogio, N. Mustafee, G. Zacharewicz, G. Wainer, E. Page.
2015/4 - 2016/5	Guest Special Issue Editor, IEEE/AIP Computing in Science and Engineering, Journal G.Sirakoulis, J. Was, G. Wainer
2013/1 - 2013/5	Proceedings Co-Editor, Proceedings of 2013 ACM SIGSIM Conference on Principles of Advanced Discrete Simulation (PADS). Eds.: M. Loper, G. Wainer, Book
2013/1 - 2013/4	Proceedings Co-Editor, Proceedings of the Symposium of Theory of Modeling and Simulation (TMS/DEVS'13). Eds.: G. Wainer, P. Mosterman, G. Zacharewicz, F. Barros. Society for Modeling and Simulation International (SCS), Book

2012/1 - 2012/5	Proceedings co-Editor, Proceedings of the Symposium of Theory of Modeling and Simulation (TMS/DEVS'12). Eds.: G. Wainer, P. Mosterman, A. D'Ambrogio, G. Zacharewicz. Society for Modeling and Simulation International (SCS), Book
2011/1 - 2011/4	Proceedings Co-Editor, Proceedings of the Symposium of Theory of Modeling and Simulation (TMS/DEVS'11). Eds.: J. Himmelspach, R. Heikel, G. Wainer, M. K. Traoré. SCS/ACM, Book
2010/1 - 2010/7	Proceedings Co-Editor, Proceedings of the Summer Computer Simulation Conference (SCSC'10). Eds.: G. Wainer, A. Tolc, P. Kropf. SCS/ACM, Book
2010/1 - 2010/4	Proceedings Co-Editor, Proceedings of the Symposium of Theory of Modeling and Simulation (TMS/DEVS'10). Eds.: G. Wainer, M.K. Traoré. SCS/ACM. SCS Simulation Series, Book
2009/1 - 2009/5	Proceedings Co-Editor, Proceedings of SimuTools 2009. Eds.: O. Dalle, G. Wainer. ICST, Book
2009/1 - 2009/3	Proceedings Co-Editor, Proceedings of the Spring Simulation Conference. Eds.: G. Wainer, M. Chinni. SCS/ACM. San Diego, CA, Book
2002/1 - 2008/12	Associate Editor, Simulation: Transactions of the Society for Modeling and Simulation International. San Diego, CA, USA, Journal
2008/1 - 2008/4	Proceedings Co-Editor, Proceedings of the Spring Simulation Conference. Eds.: H. Rajaei, G. Wainer, M. Chinni. SCS/ACM. San Diego, CA, Book
2007/3 - 2008/3	Proceedings Co-Editor, Proceedings of SimuTools 2008. Eds.: O. Dalle, G. Wainer. ICST, Book
2006/8 - 2007/11	Proceedings Co-Editor (General Chair), Summer Computer Simulation Conference. Society for Modeling and Simulation International (SCS). San Diego, CA, Book

Journal Review Activities

2019/1 - 2019/12	Reviewer, Defence R&D Canada Scientific Reports
2018/1 - 2018/12	Reviewer, The Journal of Supercomputing. Elsevier; Reliability Engineering and System Safety. Elsevier; ACM Transactions on Modeling and Computer Simulation; ACM Transactions on the Web
2017/1 - 2017/12	Reviewer, Computers and Operations Research. (Elsevier). IEEE Transactions on Parallel and Distributed Computing
2015/1 - 2015/12	Reviewer, ACM Transactions on Modeling and Simulation; The Journal of Supercomputing. Elsevier; Journal of Ambient Intelligence & Humanized Computing (AIHC), Elsevier
2014/1 - 2014/12	Reviewer, ACM Transactions on Modeling and Simulation. Journal of Computational Science (Elsevier)
2013/1 - 2013/12	Reviewer, Software, Practice and Experience (Wiley). ACM Transactions on Modeling and Simulation. The Journal of Supercomputing (Elsevier). Building and Environment (Elsevier).
2012/1 - 2012/12	Reviewer, Environmental Modelling and Software (Elsevier). Software and Systems Modeling (Elsevier). Software, Practice and Experience (Wiley). ACM Transactions on Modeling and Simulation.
2011/1 - 2011/1	Reviewer, IEEE Systems, Man and Cybernetics. Part C: Applications and Reviews. Software and Systems Modeling (Elsevier).

2010/1 - 2010/12	Reviewer,Control Engineering Practice (Elsevier). IEEE Transactions on Vehicular Technologies Simulation, Practice and Experience (Elsevier). Parallel Processing (Elsevier). ETRI Journal.,IEEE Systems, Man and Cybernetics. Part A. IEEE Systems, Man and Cybernetics. Part C: Applications and Reviews.
2009/1 - 2009/12	Reviewer,Journal of Simulation (Palgrave). ACM Transactions on Modeling and Simulation. Simulation, Practice and Experience (Elsevier). Intl. Journal of Vehicle Systems Modelling and Testing (Inderscience)
2008/1 - 2008/12	Reviewer,ACM Transactions on Modeling and Simulation. IEEE Systems, Man and Cybernetics. Part C: Applications and Reviews.,Ibero-American Journal on Automatics and Industrial Informatics (in Spanish-RIAll) Journal of Simulation (Palgrave) IEEE Software
2007/1 - 2007/12	Reviewer,ACM Transactions on Modeling and Simulation. Journal of Defense Modeling and Simulation. Simulation, Practice and Experience (Elsevier). Ecological Informatics (Elsevier).,Discrete Event Dynamic Systems: Theory and Applications (Elsevier). Book reviewer for John Wiley & Sons, Inc.
2006/1 - 2006/12	Reviewer,ACM Transactions on Modeling and Simulation. Journal of Defense Modeling and Simulation. Simulation, Practice and Experience (Elsevier).
2005/1 - 2005/12	Reviewer,Simulation, Practice and Experience (Elsevier). The Journal of Supercomputing (Elsevier). ACM Transactions on Modeling and Simulation. Pharmaceutical Research (Springer-Verlag).
2004/1 - 2004/12	Reviewer,Information and Software Technology (Elsevier). Simulation, Practice and Experience (Elsevier).
2003/1 - 2003/12	Reviewer,Environmental Modelling and Software (Elsevier). Information and Software Technology, Elsevier. International Journal of Simulation and Process Modeling (Inderscience).
1999/1 - 2002/12	Reviewer,Transactions of the Society of Computer Simulation
2002/6 - 2002/9	Reviewer,Book reviewer for John Wiley & Sons, Inc. N.Y., USA.

Graduate Examination Activities

2006/1	PhD Oral Exam Member, (4 Ph.D. Proposals), Systems and Computer Engineering, Carleton University
2005/4	PhD External Examiner, (OCIECE - 8 PhD Defences), University of Ottawa
2005/4	PhD Comprehensive Exam Committee Member, (7 Ph.D. Comprehensive Exams), University of Ottawa
2003/1	PhD Comprehensive Exam Committee Member, (20 Comprehensive Exams), Systems and Computer Engineering, Carleton University
2003/1	PhD Oral Exam Member, (13 PhD Defences), Systems and Computer Engineering, Institute of Cognitive Science, Computer Science, Psychology, Carleton University
2002/3	PhD Oral Exam Member, (7 PhD Proposal Exams), University of Ottawa
2002/1	Master's Oral Exam Member, (37 Masters theses), (Systems and Computer Engineering,Civil Engineering), Carleton University
2002/1	Master's Oral Exam Member, (30 M.Sc./M.A.Sc. defences), University of Ottawa

Organizational Review Activities

2016/6 - 2020/6	Member of the NSERC Evaluation Group. Discovery Grants, Natural Sciences and Engineering Research Council of Canada (NSERC) Evaluation Group for Computer Science. External for: Electrical Engineering (2016-18, 19), Civil Engineering (2019). Acting Chair (2018-9)
2017/5 - 2020/4	External Reviewer, Natural Sciences and Engineering Research Council of Canada (NSERC) External Reviewer for the Canada Research Chairs, RGPIN and Alliance programs.
2010/1 - 2020/4	External evaluator, Fond National de la Recherche Scientifique, Belgium Project Evaluation for FNRS in 2010, 2014, 2017 and 2020
2019/6 - 2019/9	External evaluator, Croatian Science Foundation Evaluator for the "Installation Research Project" program.
2015/3 - 2019/3	External evaluator, CAPES (Brazil) Member of the Bank of Reviewers
2014/1 - 2018/12	External evaluator, College of Reviewers, Ontario Centres of Excellence Project Evaluation
2014/1 - 2017/12	External evaluator, National Center of Science and Technology Evaluation (Kazakhstan) Research Project Evaluation in years 2014 and 2017
2016/3 - 2016/3	External Evaluator, Ministry of Science, Technology and Space of Israel/Japan Science and Technology Science Japan-Israel Scientific Research Cooperation
2015/1 - 2015/12	External Evaluator, Natural Sciences and Engineering Research Council of Canada (NSERC) Project Evaluation (CRD, I2I)
2014/1 - 2014/12	External evaluator, Natural Sciences and Engineering Research Council of Canada (NSERC) Project Evaluation - Discovery Grants
2013/3 - 2014/5	External evaluator, INRIA Bordeaux (AERES program), France Evaluated the overall performance of the INRIA centre at Bordeaux, France. One of the 2 Canadian experts (8 international experts, 32 evaluators for the whole INRIA network)
2013/1 - 2013/12	External evaluator, University of Luxembourg, IRP Program. Project Evaluation
2013/1 - 2013/12	External evaluator, University of Southern Denmark, SDU2020 Program. Project Evaluation
2013/1 - 2013/12	External evaluator, Czech Science Foundation Project Evaluation
2013/1 - 2013/12	External evaluator, Natural Sciences and Engineering Research Council of Canada (NSERC) Project Evaluation - Discovery Grants
2012/1 - 2012/12	External evaluator, Natural Sciences and Engineering Research Council of Canada (NSERC) Project Evaluation - Discovery Grants
2011/1 - 2011/12	External evaluator, Defence R&D Canada. Centre for Operational Research and Analysis Project Evaluation

2011/1 - 2011/12	External evaluator, Austria Science Fund Project Evaluation (Natural and Technical Sciences Project)
2010/1 - 2010/12	External evaluator, Academic Research Program, Department of National Defence (Canada) Project Evaluation
2010/1 - 2010/12	External evaluator, University of Buenos Aires - Research Projects Program Project Evaluation
2010/1 - 2010/12	External evaluator, Fond National de la Recherche Scientifique, Belgium Project Evaluation for FNRS
2014/11 - 2010/1	External evaluator, Argentine Agency of Science and Technology Evaluated 6 different Research Project for the programs: PICT, PID, 2nd Centennial Grants, and FONARSEC (2010-14).
2009/1 - 2009/12	External evaluator, ARTEMIS program (Joint Undertaking with FP7; European Union) Project Evaluation for the ARTEMIS program, a part of the EU FP7 research program
2009/1 - 2009/12	External evaluator, Academic Research Program, Department of National Defence (Canada) Project Evaluation
2009/1 - 2009/12	External evaluator, ACCELERATE College of Reviewers (MITACS) Project Evaluation for ACCELERATE Program
2007/1 - 2009/12	External evaluator, CYTED program (Ibero-American Program on Science and Technology for the Development) Project Evaluation
2008/1 - 2008/12	External evaluator, Converging Technologies program of the Piedmont Region, Italy Project Evaluation
2008/1 - 2008/12	External evaluator, COSINUS program, Agence Nationale de Recherche, France Project Evaluation
2008/1 - 2008/12	External evaluator, Natural Sciences and Engineering Research Council of Canada (NSERC) Project Evaluation - Discovery Grants
2006/3 - 2006/11	External evaluator, CITO Project Evaluation
2002/1 - 2002/5	External evaluator, Fonds de recherche du Québec - Nature et technologies (FRQNT) Research Project Evaluation
1999/1 - 1999/5	External evaluator, National Council Sci & Tech Res (CONICET) Research project evaluation
1997/1 - 1997/5	External evaluator, CSIC - Universidad de la República Research Project Evaluation

Knowledge and Technology Translation

2017/11 - 2019/8	Research Collaboration, R&D Collaboration with Industry Group/Organization/Business Serviced: Humanitas Solutions Inc Target Stakeholder: Industry/Business-Small (<100 employees) Outcome / Deliverable: Advanced modeling and simulation of resiliency in the software communication for emergency plans. Development of BLE based protocols for IoT devices in their Maven software stack
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- 2018/6 - 2019/6 Research Collaboration, R&D Collaboration with Industry
Group/Organization/Business Served: Cohort Systems
Target Stakeholder: Industry/Business-Small (<100 employees)
Outcome / Deliverable: A prototype human operated multi-domain control station to control and supervise a large team of collaborative autonomous Unmanned Vehicles (UxVs). This included a simulator that models various UxVs, an Operator Control Station, and a Multi-Agent Reasoning System (MARS) to provide autonomous self and team mission execution on a UxV.
- 2017/12 - 2018/5 External Advisor, R&D Collaboration with Industry
Group/Organization/Business Served: GyL and Port of Buenos Aires
Target Stakeholder: Industry/Business-Small (<100 employees)
Outcome / Deliverable: Risk analysis for the development/extension of a simulator based on CATIA/NAUTIS for the Port of Buenos Aires and different ports in Argentina, with the objective of training vessel operators. We conducted risk analysis of different modeling and simulation options and advised the company on the best course of action.
- 2012/5 - 2016/9 Research Advisor, R&D Collaboration with Industry
Group/Organization/Business Served: Ericsson Canada
Target Stakeholder: Industry/Business (>500 employees)
Outcome / Deliverable: Definition of new algorithms for advanced wireless communication in LTE networks (seven patents filed).
- 2014/7 - 2016/5 Research Advisor, R&D Collaboration with Industry
Group/Organization/Business Served: SageTea Inc
Target Stakeholder: Industry/Business-Small (<100 employees)
Outcome / Deliverable: A new set of algorithms based on ontology generation software to improve the automation of code generation for SageTea
- 2010/4 - 2014/1 Research Advisor, R&D Collaboration with Industry
Group/Organization/Business Served: Autodesk Research Canada
Target Stakeholder: Industry/Business-Medium (100 to 500 employees)
Outcome / Deliverable: Technology transfer about the DEVS formalism; seminars and technical advice. Autodesk Research now has incorporated a DEVS simulation tool in their software.
- 2011/6 - 2012/6 Research Advisor, R&D Collaboration with Industry
Group/Organization/Business Served: Ideeclit Inc.
Target Stakeholder: Industry/Business-Small (<100 employees)
Outcome / Deliverable: A software application prototype for augmented reality to be used for multimedia delivery on smartphones

International Collaboration Activities

- 2012/7 - 2022/7 Researcher, Argentina
Joint research activities with the Computer Science Department. Joint research on Discrete-Event Simulation (Castro R*, Belloli L*, Zapatero M*, Lanuza J*, Figari G*, Fernando C*). Various visits from researchers in the two labs, and varied publications as a result of this collaboration. Responsible for a Memorandum of Understanding signed between Carleton University and University of Buenos Aires.
- 2015/1 - 2022/1 Researcher, Spain
Joint research activities with University of Valladolid (A. López-Paredes, *C Ruiz-Martín) to conduct research in agent-based modeling and discrete-event simulation. Responsible for signing a Memorandum of Understanding between Carleton University and UVA.

- 2013/1 - 2022/1
 Researcher, Chile
 Joint research on modeling Web Centers (Inostrosa-Psijas A*, Loo F*, Gil-Costa V, Marín M) with Yahoo Research Latinamerica, University of Santiago, University Arturo Pratt (Chile), National University of San Luis (Argentina). Joint publications and research visits between the two groups. Responsible for a Memorandum of Understanding signed between Carleton and UNSL Argentina to conduct research in parallel simulation.
- 2014/2 - 2021/1
 Researcher, Brazil
 Joint research activities with University of Pernambuco (Prof. S. Fernandes) and University of Goiás (Prof. W. Calixto) to interchange Ph.D. students and researchers with the Advanced Real-Time Simulation Lab at Carleton University. Responsible for a Memorandum of Understanding signed between Carleton University and Federal Institute of Goiás.
- 2012/6 - 2020/7
 Supervisor, China
 Profs. Hu R (Jiangsu University of Science and Technology), Qiu M and Yan L (National University of Defense Technology, Hunan), and Tao Zheng (Beijing Institute of Space Long March Vehicle) obtained a scholarship to visit our lab for one year each in order to learn the basic concepts about the methodologies and tools invented at Carleton, and to teach the concepts invented at Carleton back in their home Universities.
- 2010/6 - 2016/6
 Researcher, France
 INRIA Sophia Antipolis, France (Projects MASCOTTE and OASIS. Participants: Dalle O, Mancini E*, Maureira-Bravo JC*, Mosteiro J*, Ribault J*, Nguyen VD). Carleton's Advanced Real-Time Simulation Lab was an INRIA Associate Team (DISSIMINET). During this project we carried out research in the fields of simulation methodologies, resulting in numerous visits, organization of joint events and publications. Ribault J* was a postdoctoral fellow at Carleton, and we co-supervised a Ph.D. Student (Vicino D*). Responsible for a Memorandum of Understanding between Carleton University and University of Nice Sophia Antipolis.
- 2001/1 - 2015/10
 Researcher, France
 Joint research activities with IMS Center at the University of Bordeaux, LSIS at the University of Marseille, Université Blaise-Pascal, and INSA Rouen, France. Joint work on discrete-event modeling and simulation and distributed simulation (C. Zanni-Merk at INSA; G. Zacharewicz at IMS; C Frydman, L Baati* at LSIS; M Traoré, J Landais*, L Quinet*, at Blaise Pascal). Various research visits organized between the teams. Responsible for a Memorandum of Understanding between INSA Rouen and Carleton.
- 2009/5 - 2015/7
 Researcher, Argentina
 Joint research activities with CIFASIS (International French-Argentinian Center on Information Science and Systems). Joint research on Discrete-Event Simulation (Kofman E, Castro R*, Bergero F*, Ramello I*, Hollman D*). Various visits from researchers in the two labs, and various publications as a result of this collaboration.
- 2010/3 - 2012/7
 Researcher, Spain
 Joint research with a team at UNED/UC Madrid (Urquía A, Moreno A*, Sanz V*). The Spanish team visited our lab for one year in 2010-11. Joint publications, lab visits, seminars.
- 2001/6 - 2012/4
 Researcher, United States
 I chaired the DEVS Standardization Study Group (main collaborators: Zeigler BP, Kim TG, Nutaro J, Sarjoughian H, Hwang MH, Vangheluwe H, Mittal S, Risco-Martín JL, Hill D, Dalle O, Traoré MK). Collaborated on the definition of standards based on the DEVS formalism. Numerous joint publications were derived from this effort and various joint workshops were organized.

2004/6 - 2011/3 Researcher, United States
 ACTIMS, University of Arizona (Zeigler BP, Sarjoughian H). We collaborated in the definition of new algorithms for distributed simulation based on Web Services. Two research visits to ACTIMS in 1999 and 2000. Collaboration in the DEVS Standardization group.

Committee Memberships

2012/1 - 2021/1 Committee Member, International Conference of MOdeling, Optimization and SIMulation (MOSIM) - 2020, Agadir, Morocco - 2018, Toulouse, France - 2014, Bordeaux, France - 2012, Nancy, France, IEEE

2018/1 - 2020/12 Committee Member, ACRI (Cellular Automata for Research and Industry) 2020 - Lodz, Poland 2018 - Lake Como, Italy., Università degli studi di Milano-Bicocca

2015/12 - 2020/12 Committee Member, Journées DEVS Francophones. Théorie et Applications / Workshop. Cargese. (bi-annual conference; since 2016), University of Corsica

2013/6 - 2020/12 Committee Member, IEEE/ACM International Symposium on Distributed Simulation and Real Time Applications DS-RT. - Prague, Czechia. 2020 - Cosenza, Italy. 2019 - Madrid, Spain. 2018. - Rome, Italy. 2017. - London, UK. 2016, IEEE - Chengdu, China. 2015. - Toulouse, France. 2013

2008/6 - 2020/12 Committee Member, Intl. Symposium on Performance Evaluation of Computer and Telecommunication Systems (SPECTS) -2020. Madrid, Spain - 2019. Berlin, Germany - 2018. Bordeaux, France - 2017. Seattle, WA - 2016. Montréal, QC., IEEE / Society for Modeling and Simulation International - 2015. Chicago, IL- 2014. Monterey, CA - 2013. Toronto, ON - 2012. Genoa, Italy- 2011. The Hague, Netherlands - 2010. Ottawa, ON - 2009. Istanbul, Turkey

2019/8 - 2020/7 Committee Member, The Second International Symposium on Simulation and Process Modelling, Inderscience
 Shenyang, China

2019/1 - 2019/12 Committee Member, 11th System Analysis and Modelling Conference (workshop of MODELS 2019)., IEEE
 Munich, Germany

2018/5 - 2018/8 Committee Member, MULTILOG 2018, Challenges and Innovative Solutions for Multimodality in Global Transport Networks. Puerto Escondido, México., University of Amsterdam (Universiteit van Amsterdam)

2018/3 - 2018/7 Committee Member, International Joint Conference - CIO-ICIEOM-IISE-AIM, Girona, Spain, ADINGOR

2016/10 - 2018/7 Committee Member, Symposium on Modeling and Simulation and Complexity in Intelligent, Adaptive and Autonomous Systems (MSCIAAAS). - Baltimore, MD (2018) - Virginia Beach, VA (2017), SCS

2010/7 - 2018/7 Committee Member, Collaborative Modeling & Simulation CoMetS (Workshop on Enabling Technologies: Infrastructure for Collaborative Enterprises, WETICE) - 2018. Paris, France - 2014. Parma, Italy - 2012. Toulouse, France, IEEE - 2011. Paris, France - 2010. Larissa, Greece.

2014/3 - 2016/12 Committee Member, IEEE International Symposium on INnovations in Intelligent SysTems and Applications, - Sinaia, Romania (2016) - Madrid, Spain (2015) - Alberobello, Italy (2014), IEEE

- 2013/3 - 2016/12 Committee Member, International Conference on Computer, Information, and Telecommunication Systems, - 2016. Kunming, China. - 2015, Gijón, Spain - 2014, Jeju, Korea - 2013, Athens, Greece, IEEE
- 2016/1 - 2016/11 Committee Member, 15th IEEE International Symposium on Network Computing and Applications, IEEE
- 2015/6 - 2016/6 Committee Member, Modeling and Simulation of Complexity in Intelligent, Adaptive and Autonomous Systems, Society for Modeling and Simulation International
- 2013/6 - 2016/6 Committee Member, 2nd ACM SIGSIM Conference on Principles of Advanced Discrete Simulation. (PADS) - 2018, Rome, Italy - 2017, Singapore - 2016. Banff, AB. - 2015, London, UK. - 2014, Denver, CO., ACM
- 2013/6 - 2016/6 Committee Member, ASIM Symposium on Simulation. - Hamburg, Germany (2018) - Dresden, Germany (2016) - Berlin, Germany (2014), ASIM
- 2013/1 - 2016/1 Committee Member, Winter Simulation Conference - Georgetown, MD. 2019. - Gothenburg, Sweden. 2018 - Huntington Beach, VA. 2015 - Savannah, GA. 2014 - Washington, DC. 2013, INFORMS/IEEE/SCS/NIST/IFORS
- 2005/8 - 2015/8 Committee Member, Agent-Directed Simulation Conference. - 2014.Tampa, FL - 2013.San Diego, CA - 2012.Orlando, FL - 2011.Boston, MA - 2010.Orlando, FL - 2009.San Diego, CA - 2008.Ottawa, ON - 2007.Norfolk, VA - 2006.Huntsville, AL - 2005.San Diego, CA, SCS
- 2001/8 - 2015/8 Committee Member, Summer Computer Simulation Conference - 2020. Madrid, Spain - 2015. Chicago, IL. - 2014. Monterey, CA - 2013. Toronto, ON - 2012. Genoa, Italy - 2011. The Hague, Netherlands, Society for Modeling and Simulation International - 2009. Istanbul, Turkey - 2006. Calgary, AB - 2005. Philadelphia, PA- 2004. San Jose, CA - 2003. Montréal, QC - 2002. San Diego, CA
- 2015/1 - 2015/6 Committee Member, 7th International Conference on Discrete Models of Complex Systems. Toronto, ON., Fields Inst. for Res. in Mathematical Sc.
- 2013/6 - 2014/6 Committee Member, 7th Spatial Computing Workshop. Paris, France, AAMAS
- 2012/12 - 2013/12 Committee Member, Asia Simulation Conference 2013. Singapour, SSGS/NUS/NTU
- 2012/6 - 2013/6 Committee Member, International Conference on Computer, Information and Telecommunication Systems. Athens, Greece, IEEE
- 2012/5 - 2013/5 Committee Member, International Conference on Industrial Engineering and Operations Management. Valladolid, Spain, ADINGOR/ABEPRO/INSISOC
- 2009/4 - 2012/4 Committee Member, ValueTools - 2012. Cargese, France - 2011. Cachan, France - 2009. Pisa, Italy, ICST
- 2006/1 - 2011/11 Committee Member, European Modeling and Simulation Symposium - 2010. Fes, Morocco - 2009. Tenerife, Spain - 2008. Briatico, Italy - 2007. Bergeggi, Italy - 2006. Barcelona, Spain - 2005. Marseille, France - 2004. Bergeggi, Italy, I3M
- 2010/8 - 2011/8 Committee Member, 2nd Symposium on Simulation for Architecture and Urban Design. Boston, MA, SCS
- 2012/6 - 2011/6 Committee Member, International Conference on Computer, Information and Telecommunication Systems. Amman, Jordan, Hashemite University/Philadelphia University
- 2009/11 - 2010/11 Committee Member, CLEI (Latin American Conference on Informatics). - 2009. Pelotas, Brazil - 1999. Asuncion, Paraguay, CLEI

- 2009/9 - 2010/9 Committee Member, AISSAI (19th European Conference on Artificial Intelligence). Lisbon, Portugal, AISSAI
- 2009/8 - 2010/8 Committee Member, International Workshop on Software and Simulation Components. ICISOFT'10. Athens, Greece, Universitat Trier/Schloss Dagstuhl
- 2009/6 - 2010/6 Committee Member, Organizing committee of First Symposium on Simulation for Architecture and Urban Design. Orlando, FL, SCS
- 2001/5 - 2010/5 Committee Member, DEVS International Symposium - 2009. San Diego, CA - 2007. Norfolk, VA - 2005. San Diego, CA - 2001. Marseille, France, SCS
- 2007/4 - 2010/4 Committee Member, Advanced Computer Simulation track, ACM SAC - 2010. Sierre, Switzerland - 2009. Honolulu, HI - 2008. Fortaleza, Brazil, ACM
- 2009/3 - 2010/3 Committee Member, 2010 International Workshop on Multi-Core Computing Systems. Krakow, Poland, IEEE
- 2008/12 - 2009/9 Committee Member, Advanced Computer Simulation track, ACM SAC. Honolulu, Hawaii, ACM
- 2008/5 - 2009/5 Committee Member, Annual Simulation Symposium. - 2009, San Diego, CA - 2008, Ottawa, ON - 2007, Norfolk, VA - 2006, Huntsville, AL - 2005, San Diego, CA - 2004, Arlington, VA - 2003, Orlando, FL - 2002, San Diego, CA, SCS/ACM
- 2008/9 - 2009/4 Committee Member, NSTools Workshop 2009. Pisa, Italy, ICST
- 2008/1 - 2008/9 Committee Member, Advanced Computer Simulation track, ACM SAC. Fortaleza, Brazil, ACM
- 2007/7 - 2008/7 Committee Member, European Conference on Modeling and Simulation. Nicosia, Cyprus, University of Cyprus
- 2007/6 - 2008/6 Committee Member, I2MTC 2008 – International Instrumentation & Measurement Technology Conference. Victoria, BC, IEEE
- 2007/5 - 2008/5 Committee Member, High Performance Computing and Simulation 2008. Ottawa, ON, Society for Modeling and Simulation International
- 2006/1 - 2007/12 Committee Member, International Workshop on Haptic Audio Visual Environments and their applications. - Ottawa, ON (2006, 2007), IEEE
- 2005/1 - 2007/12 Committee Member, International Conference on Grid Services Engineering and Management (GSEM) - 2007. Leipzig, Germany - 2006. Erfurt, Germany - 2005. Erfurt, Germany
- 2000/3 - 2007/12 Committee Member, Artificial Intelligence, Simulation and Planning and Conceptual Modeling and Simulation (AIS) - 2007. Buenos Aires, Argentina. - 2004. Jeju, Korea. - 2002. Lisbon, Portugal. - 2000. Tucson, AZ
- 2005/1 - 2005/12 Committee Member, Open International Conference on Modeling & Simulation. Clermont-Ferrand, France., Université Blaise-Pascal
- 2003/1 - 2003/12 Committee Member, AST Symposium; 32nd Argentine Conference on Informatics and Operations Research. Buenos Aires, Argentina, SADIO
- 2002/1 - 2003/12 Committee Member, SISO European Simulation Interoperability Workshop - 2003. Stockholm, Sweden - 2002. London, England, Simulation Interoperability Standards Organization (SISO)
- 2001/1 - 2001/6 Group Chair, DEVS standardization. Advanced Simulation Technical Conference. Seattle, WA, Society for Modeling and Simulation International

Other Memberships

2019/6 - 2019/9	External Reporter, Southern Denmark University Ph.D. External Committee Member. Student: Elena Markoska
2018/9 - 2018/10	External Evaluation for Promotion, Jordan University of Science and Technology Department of Software Engineering. Candidate: Prof. Lu'ay Mohammed Deeb Alawneh
2018/7 - 2018/9	External Evaluator for Tenure and Professorship, Southwest Texas State University Candidate: Prof. J. Jiménez.
2017/6 - 2017/9	External Evaluator for Tenure, Southwest Texas State University Candidate: Prof. Eduardo Pérez.
2017/1 - 2017/5	External Evaluator for Tenure and Professorship, Loyola College in Maryland Candidate: Prof. Megan Olsen
2017/3 - 2017/4	External Evaluator, Université de Nice, Sophia-Antipolis Habilitation pour Diriger la Recherche (HDR). Prof. Alexandre Muzy.
2016/5 - 2016/12	External Committee Member for Professorship, Universidad de Buenos Aires Jury member for Assistant Professor position. Candidates: Dr. Rodrigo Castro, Dr. Hernán Melgratti, Dr. Juan Pablo Galeotti.
2016/7 - 2016/11	External Reporter for Habilitation pour la Recherche, University of Corsica Candidate: Dr. Laurent Capocchi
2016/5 - 2016/9	External Reporter, Université Paul Sabatier Phd. Candidate: Sangeeth Ponnsunamy
2016/6 - 2016/7	External Evaluator for Mid Tenure, City University of New York - Staten Island Candidate: Prof. Feng Gu
2015/5 - 2015/12	External Evaluator for Full Professorship, Loyola College in Maryland Candidate: Prof. Mohammad Raunak.
2015/5 - 2015/7	External Evaluator for Full Professorship, Old Dominion University Candidate: Prof. John Sokolowski
2015/1 - 2015/4	External Examiner, Universidad de Buenos Aires Jury member for Assistant Professor candidates.
2014/3 - 2014/9	External Evaluator for Full Professorship, State Univ of New York - Binghamton Candidate: Prof. Dmitry V. Ponomarev
2014/5 - 2014/7	External Evaluator for Full Professorship, Ryerson University Candidate: Prof. Abdolreza Abhari
2013/3 - 2013/5	External Reporter, Universite de Lorraine, Nancy France Committee Member of Habilitation pour Recherche (HDR) Thesis. Candidate: Dr. Martin Quinson, Maitre de Conférences.
2012/3 - 2012/5	External Reporter, Université Clermont-Ferrand II (B. Pascal) Committee Member of of Ph.D. Thesis. Ph.D. Candidate: Luc Touraille.
2012/2 - 2012/4	External Reporter, University of Corsica, Corte, France Committee Member of Ph.D. Defence. Ph.D. Candidate: Emilie Broutin
2011/3 - 2011/5	External Reporter, Université de Nice Sophia-Antipolis Committee Member of Ph.D. Thesis. Ph.D. Candidate: Judicaël Ribault
2011/3 - 2011/5	External Examiner, Université de Nice Sophia-Antipolis Committee Member of Ph.D. Thesis. Ph.D. Candidate: Juan Carlos Maureira.

2010/3 - 2010/5	External Examiner, Université D'Aix-Marseille III (D'Economie & Sci) Committee Member of of Ph.D. Thesis. Ph.D. Candidate: Trojet Wassim.
2009/3 - 2009/5	External Examiner, Old Dominion University Committee Member of Ph.D. Thesis proposal. Student: Charles Turnitsia.
2008/3 - 2008/5	External Examiner, Université D'Aix-Marseille III (D'Economie & Sci) Committee Member of Ph.D. Ph.D. Candidate: Lassaad Baati.
2008/3 - 2008/5	External Examiner, École Polytechnique de Montréal Committee Member of Ph.D. exam. Ph.D. Candidate: Essaid Bensoudane.
2008/3 - 2008/5	External Examiner, University of Pretoria Committee Member of M.Sc. Thesis. Student: S. Duvenage.
2008/3 - 2008/5	External Examiner, McGill University Committee Member of Ph.D. Thesis. Ph.D. Candidate: Ernesto Posse.
2007/3 - 2007/6	External Examiner, Universitat Politècnica de Catalunya Committee Member of Ph.D. Thesis. Ph.D. Candidate: Pau Fonseca
2006/1 - 2006/6	External Examiner, Université D'Aix-Marseille III (D'Economie & Sci) Committee Member of Ph.D. Thesis. Ph.D. Candidate: Gregory Zacharewicz
2005/1 - 2005/6	External Examiner, University of Corsica, Corte, France Committee Member of Ph.D. Thesis. Ph.D. Candidate: Laurent Capocci

Presentations

- (with Cristina Ruiz-Martin*). (2020). Modeling DEVS with Cadmium (Tutorial). Spring Simulation Conference, Fairfax, VA, United States
Invited?: No, Keynote?: No, Competitive?: No
- (2020). (Keynote) Modeling and Simulation of Cellular Networks: formalizing the models. IEEE/SCS International Symposium on Performance Evaluation of Computer and Telecommunication Systems, Madrid, Spain
Invited?: Yes, Keynote?: Yes
- (2019). Introduction to Discrete-Event Modeling and Simulation for Building Design (Seminar). Seminar at the Maersk Mc-Kinney Moller Institute. University of Southern Denmark, Odense, Denmark
Invited?: Yes, Keynote?: No
- (2019). Evolution and advances of Discrete-Event Modeling (Keynote). International Conference on Mathematical Models & Computational Techniques in Science & Engineering, London, United Kingdom
Invited?: Yes, Keynote?: Yes
- (2019). Applying Modelling and Simulation for Development Embedded Systems (Tutorial). Summer Simulation Conference, Berlin, Germany
Invited?: Yes, Keynote?: No, Competitive?: Yes
- (2019). (Keynote) Discrete-Event Modeling for Embedded Real-Time Systems. 27th IEEE International Symposium on the Modeling, Analysis, and Simulation of Computer and Telecommunication Systems. MASCOTS., Rennes, France
Invited?: Yes, Keynote?: Yes
- (2019). An Introduction to Cellular Automata Models with Cell-DEVS (Tutorial). Winter Simulation Conference, National Harbor, MD, United States
Invited?: Yes, Keynote?: No

8. (2019). Modeling and Simulation Education in the CPS Era (Panel). Summer Simulation Conference, Berlin, Germany
Invited?: Yes, Keynote?: No, Competitive?: No
9. (with Cristina Ruiz-Martin*). (2019). Building DEVS Models with the Cadmium Tool (Tutorial). Winter Simulation Conference, National Harbor, MD, United States
Invited?: Yes, Keynote?: No
10. (2019). (Keynote) Advances in Discrete-Event Crowd Modeling and Simulation. EMENA-ISTL, Marrakech, Morocco
Invited?: Yes, Keynote?: Yes
11. (2019). Formal Discrete-Event Modeling and Simulation Methodologies (Seminar). INSA, Rouen, France
Invited?: Yes, Keynote?: No
12. (2019). Discrete-Event Modeling and Simulation for Cyber-Physical Systems (Seminar). University of Marseille, Marseille, France
Invited?: Yes, Keynote?: No
13. (2019). Simulation Everywhere (Seminar). Brunel University, London, United Kingdom
Invited?: Yes, Keynote?: No
14. (2018). Spatial Systems Modelling with Cellular Discrete-Event Modeling and Simulation (Tutorial). Summer Simulation Conference, Bordeaux, France
Invited?: No, Keynote?: No, Competitive?: Yes
15. (2018). Distributed and Real-Time Simulation Everywhere (Seminar). INSISOC. University of Valladolid, Valladolid, Spain
Invited?: Yes, Keynote?: No
16. (2018). 50 Summers of Computer Simulation (Panel). SCSC Golden Jubilee Panel. SummerSim 2018, Bordeaux, France
Invited?: Yes, Keynote?: No
17. (2018). (Keynote) Modeling large Crowds with Centroidal Particles and Cell-DEVS. 8th International Conference on Simulation and Modeling Methodologies, Technologies and applications. InfoNor, Iquique, Chile
Invited?: Yes, Keynote?: Yes
18. (2018). (Keynote) Crowd Modeling and Simulation of Spatial Systems with Cell-DEVS. 8th International Conference on Simulation and Modeling Methodologies, Technologies and applications. SIMULTECH 2018, Porto, Portugal
Invited?: Yes, Keynote?: Yes
19. (2018). (Keynote) Discrete-Event Modeling and Simulation Methodologies: Past, Present and Future. Ninth Workshop in Simulation., Barcelona, Spain
Invited?: Yes, Keynote?: Yes
20. (2018). Lessons learned in PhD Research for Modeling and Simulation (Panel). ACM SIGSIM/PADS 2018 PhD Colloquium, Rome, Italy
Invited?: Yes, Keynote?: No
21. (2018). Introduction to the DEVS Formalism (Tutorial). Winter Simulation Conference, Gothenburg, Sweden
Invited?: No, Keynote?: No
22. (2018). (Keynote) Advanced Parallel and Distributed Simulation algorithms for DEVS. 13th International meeting on High Performance Computing for Computational Science, VECPAR 2018., Sao Pedro, SP, Brazil
Invited?: Yes, Keynote?: Yes

23. (2018). Centrality of the User In Performance Assessment for Building Simulation (Panel). SimAUD 2018., Delft, Netherlands
Invited?: Yes, Keynote?: No
24. (2017). (Keynote) Building Real-Time Systems using Formal Discrete-Event Models. 21st ACM/IEEE International Symposium on Distributed Simulation and Real Time Applications (DS-RT), Rome, Italy
Invited?: Yes, Keynote?: Yes
25. (2017). Modeling and Simulation As a Service. (Seminar) University of Bordeaux, Bordeaux, France
Invited?: Yes, Keynote?: No
26. (2017). DEVS Modelling and Simulation for Development of Embedded Systems. (Seminar) University of Calabria, Rende, Italy
Invited?: Yes, Keynote?: No
27. (2017). (Keynote) Formal Discrete-Event Modeling and Simulation of Mobile Networks. 14th IEEE International Conference on Networking, Sensing and Control, Calabria, Italy
Invited?: Yes, Keynote?: Yes
28. (2017). (Keynote) Cell-DEVS: contributions and challenges. Keynote presentation at the Memorial Workshop in honour of Norbert Giambiasi, Marseille, France
Invited?: Yes, Keynote?: Yes
29. (2017). Simulation Everywhere. Seminar at University of Rome, La Sapienza, Rome, Italy
Invited?: Yes, Keynote?: No
30. (2016). (Keynote) Recent Advances on DEVS for Development of Embedded and Real-Time Systems. Summer Simulation Multiconference, Montreal, Canada
Invited?: Yes, Keynote?: Yes
31. (2016). (Keynote) A historical overview of Discrete-Event Formal Modeling. Winter Simulation Conference (Ph.D. Colloquium), Washington, DC, United States
Invited?: Yes, Keynote?: Yes
32. (2016). (Keynote) Modeling and Simulating Emerging Behavior in Spatial Systems with Cell-DEVS. International Symposium on INnovations in Intelligent SysTems and Applications, Sinaia, Romania
Invited?: Yes, Keynote?: Yes
33. (2015). (Keynote) Introduction to Model and Simulation Interoperability with DEVS. JIAE2015 : 8èmes Journées de l'interopérabilité des applications d'entreprise, Bordeaux, France
Invited?: Yes, Keynote?: Yes
34. (2015). Applying Modelling and Simulation for Development of Embedded Systems (seminar). Sakarya University, Sakarya, Turkey
Invited?: Yes, Keynote?: No
35. (2015). DEVS Modelling and Simulation for Development of Embedded Systems (tutorial). Winter Simulation Conference, Huntington Beach, United States
Invited?: Yes, Keynote?: No, Competitive?: Yes
36. (2014). (Keynote) Applying Modelling and Simulation for Development of Embedded Systems. ACM SIGSIM Conference on Principles of Advanced Discrete Simulation (PADS), Denver, United States
Invited?: Yes, Keynote?: Yes
37. (2014). Computational Fluid Dynamic Solver based on Cellular Discrete-Event Simulation for use in Biological Systems. ACTIMS 2014 (Activity based Modeling and Simulation), Zurich, Switzerland
Invited?: Yes, Keynote?: No
38. (2014). (Keynote) Cellular Modeling with Cell-DEVS: a Discrete-Event Cellular Automata formalism. ACRI 2014 (Cellular Automata for Research and Industry), Krakow, Poland
Invited?: Yes, Keynote?: Yes

39. (2014). (Keynote) Discrete-Event Modeling and Simulation Methodologies: Applications to Wireless and Mobile Communications. VI International Congress of Computer and Telecommunications, COMTEL 2014, Lima, Peru
Invited?: Yes, Keynote?: Yes
40. (2013). Everything you wanted to know about Modeling and Simulation... but were afraid to ask. Research Works meeting. Carleton University, Ottawa, Canada
Invited?: Yes, Keynote?: Yes
41. (2013). Introduction to Discrete-Event Modeling and Simulation with DEVS. (Seminar) Seminar series. Universidad Torcuato Di Tella, Buenos Aires, Argentina
Invited?: Yes, Keynote?: No
42. (2013). Everything you wanted to know about Modeling and Simulation... but were afraid to ask. (Seminar) Faculty of Sciences. University of Buenos Aires, Buenos Aires, Argentina
Invited?: Yes, Keynote?: No
43. (2013). Discrete-Event Modeling and Simulation Methodologies: Applications to Wireless and Mobile Communications. 9th International Conference on Wireless Communications, Networking and Mobile Computing (WICOM), Beijing, China
Invited?: Yes, Keynote?: Yes
44. (2013). Applying Modelling and Simulation for Development of Embedded Systems. The 2nd IEEE Mediterranean Conference on Embedded Computing, Budva, Montenegro
Invited?: Yes, Keynote?: Yes
45. (2013). A Land Use and Land Cover Model using the Cell-DEVS formalism. Royal Geographical Society Annual International Conference. Modelling for Policy session, London, United Kingdom
Invited?: No, Keynote?: No
46. (2013). Simulation Everywhere. First ACM SIGSIM Conference on Principles of Advanced Discrete Simulation (PADS). Ph.D. Colloquium, Montreal, Canada
Invited?: Yes, Keynote?: Yes
47. (2013). Discrete event modeling and simulation: present, past, future. XIX International Conference on Industrial Engineering and Operations Management, ICIEOM, Valladolid, Spain
Invited?: Yes, Keynote?: Yes
48. (2013). Introduction to Modeling and Simulation of Spatial Systems with Cell-DEVS. Workshop on Big Data and Spatial Modeling, PFC, National Resources Canada, Victoria, Canada
Invited?: Yes, Keynote?: Yes
49. (2013). An Introduction to the DEVS formalism. (Tutorial) Spring Simulation Conference, San Diego, United States
Invited?: Yes, Keynote?: No
50. (2013). A Modelling and Simulation Based Methodology for Development of Embedded Systems. 3rd IEEE International Conference on Computer Science and Network Technology, Dalian, China
Invited?: Yes, Keynote?: Yes
51. (2012). Applying a model-based methodology for the development of Real-Time Embedded systems. Argentinian Symposium on Software Engineering, ASSE 2012, La Plata, Argentina
Invited?: Yes, Keynote?: Yes
52. (2012). Distributed simulation with DEVS and Web Services. (Seminar) IMS Lab. Université de Bordeaux I, Bordeaux, France
Invited?: Yes, Keynote?: No
53. Taylor S., Fishwick P., Fujimoto R., Uhrmacher A., Page E. (2012). Grand Challenges for Modeling and Simulation. (Panel) Winter Simulation Conference, Berlin, Germany
Invited?: Yes, Keynote?: No

54. (2012). Introduction to Modeling and Simulation of Spatial Systems with Cell-DEVS. (Seminar) Swiss Federal Institute for Forest, Snow and Landscape, Zurich, Switzerland
Invited?: Yes, Keynote?: No
55. (2012). Simulation Everywhere. International Workshop on Modeling and Applied Simulation, WAMS 2012, Rome, Italy
Invited?: Yes, Keynote?: Yes
56. (2012). Discrete event modeling and simulation: present, past, future. (Seminar) Computer Science Dept., Universidad de Buenos Aires, Buenos Aires, Argentina
Invited?: Yes, Keynote?: No
57. (2012). Discrete event modeling and simulation: present, past, future (seminar). Computer Science Dept., Universidad de Buenos Aires, Buenos Aires, Argentina
Invited?: Yes, Keynote?: No
58. (2012). The Cell-DEVS formalism. (Invited speaker) ACTIMS 2012 (Activity based Modeling and Simulation), Paris, France
Invited?: Yes, Keynote?: No
59. (2012). Discrete-Event Modeling and Simulation with DEVS and Cell-DEVS. (Seminar) CoMe Seminar series. Polytechnic University of Catalonia (UPC), Barcelona, Spain
Invited?: Yes, Keynote?: No
60. (2012). Applying Modelling and Simulation for Development and Testing of Embedded Systems. (Seminar) Florida International University, Miami, United States
Invited?: Yes, Keynote?: No
61. (2012). Advanced Spatial Systems with Cellular Discrete-Event Modeling and Simulation. (Tutorial) Winter Simulation Conference, Berlin, Germany
Invited?: Yes, Keynote?: No
62. (2012). A Cellular Modeling Environment For Behavior Analysis In GIS. Agent-Based Models and Geographical Systems. Association of American Geographers Annual Meeting, New York, United States
Invited?: No, Keynote?: No
63. (2012). Discrete-Event Modeling and Simulation with DEVS and Cell-DEVS. (Seminar) Applied Mathematics Seminar series. Applied Mathematics Institute. University of Buenos Aires, Buenos Aires, Argentina
Invited?: Yes, Keynote?: No
64. (2011). DEVS Standardization: Introduction and Current Status. SCS/ACM Symposium on Simulation for Architecture and Urban Design, SimAUD 2011, Boston, United States
Invited?: Yes, Keynote?: No
65. Strassburger S, Riley G, Wainer G, Taylor S, Tropper C, Cai W. (2011). Future Trends in Distributed Simulation and Distributed Virtual Environments – Revisited. (Panel) IEEE/SCS/ACM Workshop On Principles of Advanced Discrete Simulation (PADS), Nice, France
Invited?: Yes, Keynote?: No
66. (2011). (Plenary Talk) Discrete event modeling and simulation: present, past, future. SimGrid meeting, Nice, France
Invited?: Yes, Keynote?: Yes
67. (2010). Discrete event modeling and simulation: present, past, future. (Seminar) Universidad Complutense de Madrid, Madrid, Spain
Invited?: Yes, Keynote?: No
68. (2010). Methodology for Embedded (Robotic) Software Development. Research meeting and School on Distributed Computing by Mobile Robots, Ottawa, Canada
Invited?: Yes, Keynote?: No

69. (2010). Discrete event modeling and simulation: present, past, future. (Seminar) Universidad de Valladolid, Valladolid, Spain
Invited?: Yes, Keynote?: No
70. (2010). Discrete event modeling and simulation: present, past, future. Modeling and Simulation Symposium 2010, Mérida, Venezuela, Bolivarian Republic of
Invited?: Yes, Keynote?: Yes
71. (2009). An Introduction to the DEVS formalism. (Seminar) One-day seminar at Universidad Nacional de Estudios a Distancia (UNED), Madrid, Spain
Invited?: Yes, Keynote?: No
72. Aschenbruck N, Cicconetti C, Henderson T, Sommer C, Wainer G. (2009). Practices that enhance the credibility of simulations. (Panel) ICST Conference on Simulation Tools and Techniques, SIMUTools 2009, Rome, Italy
Invited?: Yes, Keynote?: No
73. (2009). An Introduction to the DEVS formalism. (Tutorial) SCS Spring Simulation Conference, San Diego, United States
Invited?: Yes, Keynote?: No
74. (2009). Discrete event modeling and simulation: present, past, future. VMASC Modeling, Simulation, and Gaming (MS&G) Student Capstone Conference, Norfolk, United States
Invited?: Yes, Keynote?: Yes
75. (2009). Introduction to Parallel DEVS simulation. HPCLatam 2009, Latin-American conference on High-Performance Computing, Mar del Plata, Argentina
Invited?: Yes, Keynote?: Yes
76. (2009). The DEVStone Benchmark: uniform methodology for Simulation Benchmarking. DEVS Symposium, SCS Spring Simulation Conference, San Diego, United States
Invited?: Yes, Keynote?: Yes
77. Aubanel E, Haque W, Lee V, Wainer G, Zhang M. (2008). Large Scale Scientific Computing in Canada. (Panel) High-Performance Computer Simulation Symposium, SpringSim 2008, Ottawa, Canada
Invited?: Yes, Keynote?: No
78. (2007). Modeling and simulation of complex cell spaces. AUTOMATA 2007. The Fields Institute for Research in Mathematical Sciences, Toronto, Canada
Invited?: Yes, Keynote?: No
79. (2007). Advances in DEVS Modeling and Simulation Methodologies. European Conference on Modeling and Simulation, ECMS 07, Prague, Czech Republic
Invited?: Yes, Keynote?: Yes
80. (2007). Current and Future Trends in DEVS. Summer Computer Simulation Conference, San Diego, United States
81. (2007). Using Modeling and Simulation for testing of Embedded Real-Time Systems (Tutorial). 18th International Conference on Modeling and Simulation, Montréal, Canada
Invited?: No, Keynote?: No, Competitive?: Yes
82. (2007). On the use of DEVS modeling and simulation methodologies for building production systems (seminar). INSA Strasbourg, Strasbourg, France
Invited?: Yes, Keynote?: No
83. (2007). Modeling Embedded systems with DEVS (seminar). Computer Science Dept., Universidad de Buenos Aires, Buenos Aires, Argentina
Invited?: Yes, Keynote?: No

84. (2006). Modeling Discrete-Event systems with DEVS (seminar). Université Paul Cezanne, Marseille, France
Invited?: Yes, Keynote?: No
85. (2006). On the Application of a Model-Driven technique for Development and Testing of Embedded Systems (Tutorial). Q&ATEST conference, Bilbao, Spain
Invited?: Yes, Keynote?: No
86. (2006). Modeling and Simulation of Complex Cell Spaces with Cell-DEVS (tutorial). 17th International Conference on Modeling and Simulation, Montréal, Canada
Invited?: Yes, Keynote?: No
87. (2005). Discrete-Event Modeling and Simulation Methodologies: Past, Present and Future. 5th International Conference on Modeling, Simulation and Optimization, Oranjestad, Aruba
Invited?: Yes, Keynote?: Yes
88. (2005). Discrete event modeling and simulation: present, past, future (seminar). Université Paul Cezanne, Marseille, France
Invited?: Yes, Keynote?: No
89. (2005). An Introduction to the DEVS formalism (Tutorial). SCS Spring Simulation Conference, San Diego, CA
Invited?: Yes, Keynote?: No
90. (2004). Modeling and simulation of complex systems with Cell-DEVS (Tutorial). Winter Simulation Conference, Washington, United States
Invited?: No, Keynote?: No, Competitive?: Yes
91. (2004). Component-based modeling of Real-Time Systems. Seminar 04041, Component-based Modeling and Simulation. Schloss Dagstuhl., Saarbrücken, Germany
Invited?: Yes, Keynote?: No
92. (2004). Using DEVS for modeling and simulation of computer networks (Tutorial). SPECTS, Symposium on Performance on Computer and Telecommunication Systems., San Jose, CA
Invited?: No, Keynote?: No
93. (2004). Component-based development of real-time systems using the DEVS formalism (seminar). Hasso-Plattner Institute, Potsdam University, Potsdam, Germany
Invited?: Yes, Keynote?: No
94. (2003). Priorities for Modeling and Simulation Standards (panel). SCS Summer Computer Simulation Conference, Montréal, Canada
Invited?: Yes, Keynote?: No
95. (2003). Discrete event modeling using the DEVS formalism (seminar). École Polytechnique de Marseille, Marseille, France
Invited?: Yes, Keynote?: No
96. (2003). Modeling and simulation of ultra-large networks using the DEVS formalism. NSF Workshop on Modeling and Simulation of Ultra-Large Networks: Challenges and new research directions. Stevens Institute of Technology, Hoboken, United States
Invited?: Yes, Keynote?: No
97. (2003). Modeling and simulation methodologies: past, present and future (seminar). Defence R&D Canada, Ottawa, Canada
Invited?: Yes, Keynote?: No
98. (2003). Modeling and Simulation of complex cell spaces (tutorial). ISC'2003, EuroSim Industrial Simulation Conference, Valencia, Spain
Invited?: No, Keynote?: No

99. (2003). Modeling computer architectures in DEVS (seminar). Universidad Politécnic de Catalunya, Barcelona, Spain
Invited?: Yes, Keynote?: No
100. (2003). Discrete event cellular modeling using the DEVS formalism (seminar). University of Pisa, Pisa, Italy
Invited?: Yes, Keynote?: No
101. (2003). Modeling and simulation of complex cell spaces. Annual Workshop of the CNRS LSIS (Laboratoire de Sciences de l'Information et de Systèmes de Marseille), Giens, France
Invited?: Yes, Keynote?: Yes
102. (2003). Modeling and simulation of Real-Time systems using the DEVS formalism. NSF Workshop on Modeling and Simulation for Design of Large Software-Intensive Systems (DLS03), Tucson,
Invited?: Yes, Keynote?: No
103. (2002). Parallel and Distributed Simulation Techniques (seminar). École Polytechnique de Marseille, Marseille, France
Invited?: Yes, Keynote?: No
104. (2002). Modeling and Simulation of complex systems using Cell-DEVS (seminar). California Institute of Technology (Caltech), Pasadena, United States
Invited?: Yes, Keynote?: No
105. (2001). The DEVS modeling formalism (seminar). Spanish Network on techniques for digital Simulation and application to industrial processes, Valladolid, Spain
Invited?: Yes, Keynote?: Yes
106. (2001). Modeling and simulation of complex systems using the DEVS formalism (tutorial). Modeling and Simulation 2001, Pittsburgh, United States
Invited?: No, Keynote?: No
107. (2000). Advanced topics in discrete events simulation (short course - 15 hours). 7th Summer School on Informatics, Rio Cuarto, Argentina
Invited?: Yes, Keynote?: No, Competitive?: Yes
108. (2000). Discrete Event simulation using the Cell-DEVS formalism (seminar). University of California, Irvine, United States
Invited?: Yes, Keynote?: No
109. (1999). Discrete Event modeling and simulation (short course - 24 hours). Universidad Tecnológica Nacional, Facultad Regional de Santa Fe, Santa Fe, Argentina
Invited?: Yes, Keynote?: No
110. (1999). Introduction to systems modeling and simulation (short course - 24 hours). Advanced Studies Program of the CRICYT (National Research Council), Mendoza, Argentina
Invited?: Yes, Keynote?: No, Competitive?: Yes
111. (1999). Introduction to discrete events modeling and simulation (tutorial). Argentine Conference of Computer Sciences, Tandil, Argentina
Invited?: Yes, Keynote?: No
112. (1998). Modeling and simulation using the DEVS and Cell-DEVS formalisms (seminar). Argentine Society on Automatic Control, Buenos Aires, Argentina
Invited?: Yes, Keynote?: No
113. (1996). Introduction to the development of Real-Time systems (Tutorial). IV Forum on Informatics, Rosario, Argentina
Invited?: Yes, Keynote?: No
114. (1994). Development techniques for Real-Time systems (seminar). VI School on Informatics. Universidad de Buenos Aires, Buenos Aires, Argentina
Invited?: Yes, Keynote?: No, Competitive?: Yes

115. (1994). Real-Time Software development (short course - 24 hours). Advanced Studies Program of the CRICYT (National Research Council), Mendoza, Argentina
Invited?: Yes, Keynote?: No, Competitive?: Yes

Broadcast Interviews

- 2018/05/01 - Online interview about the history of the SIMAUD conference, Autodesk Research
2018/05/01 Website, YouTube
<https://www.youtube.com/watch?v=MN1zNrHw-Sc>
- 2017/07/01 - Online interview "On Crowd Modelling", Sim4All; Old Dominion University-VMASC.
2017/07/01 Youtube, YouTube
https://www.youtube.com/watch?v=AzI1Ofw_UBc
- 2011/11/14 - Research in distributed simulation, CIPS Podcast, CIPS, IT Manager Connection,
2011/11/14 blogs.technet.com and distributed over 30 channels internationally
- 2004/06/04 - Forest wildfires modeling using Cell-DEVS, Noon @ the NewRO, CHRO TV Ottawa.
2004/06/04

Text Interviews

- 2020/05/01 "Tracking the Spread: Predicting COVID-19 Transmission" Research Story about
modeling COVID-19 in indoor environments, Carleton Newsroom
- 2020/04/14 Predicting possible outcomes to coronavirus and other pandemics with models and
simulations, The Conversation Canada (reproduced in MenaFN.com, MedicalXpress,
PreventionWeb, Stuff magazine, Tech Xplore and hundreds of online sites).
- 2020/03/27 Coronavirus: How new simulations can predict the spread of future pandemics (with
H. Khalil*, C. Ruiz-Martin*), The Conversation Canada (reproduced on MenaFN.com,
EconoTimes, PreventionWeb, Stuff magazine, Tech Xplore and hundreds of online sites)
- 2020/01/16 Clearer, faster, smoother: Improving online video watching on cellular networks (with A.
Al-Habashna*), The Conversation Canada (reproduced in msn.com, EconoTimes, Stuff
magazine, Tech Xplore and hundreds of online sites).
- 2019/11/12 Surviving nuclear disasters depends on stronger communications networks (with C.
Ruiz-Martin*), The Conversation Canada (reproduced in msn.com, EconoTimes, Stuff
magazine, Tech Xplore and hundreds of online sites).
- 2019/05/08 Carleton Researchers Receive NSERC Strategic Partnerships Grant to improve Building
Performance and Sustainability, Carleton Newsroom, Canadian Architect, Education News
Canada, Public Now, Building Magazine and other online sources
- 2019/04/11 Here's How We Built a Vibrant Research Community Around Simulation for Architecture,
Autodesk Research News site
- 2018/07/10 Fighting Forest Fires with Modeling and Simulation, Mtt Gergyek, Carleton Newsroom
Description / Contribution Value: Introduction to the Advanced RT Simulation lab and
research on simulation
- 2018/04/17 News clipping: "Prof. Wainer recognized by Association for Computing Machinery",
Carleton Newsroom.
Description / Contribution Value: Online news item about ACM Service Award and WSC
Board election
- 2017/12/01 News clipping about WSC 50, ORMS-Today – Informs; Analytics Magazine; necada.org
and other online sources

- 2016/07/01 News clipping about D. Niyonkuru's work at ARSLab "Helping more young women to choose engineering and computer science", innovation.ca, The Globe and Mail, and other online sources
<https://www.youtube.com/watch?v=IYtQmckEfZo>
- 2016/06/01 News clipping about SCS Fellowship, SCS newsletter, openpr.com, owler.com, prurgent.org and other online sources
- 2013/07/01 Prof. Wainer's keynote at ICIEOM'13, Valladolid, Spain, PressPeople, masSalamanca, noticiasCastillaLeon and other online sources
- 2012/08/12 "The Golden Generation of Science is passionate about global project". Interviewed about research on modeling and simulation, Tiempo Argentino (newspaper); also reproduced by Argentinian Ministry of Foreign Affairs Press office, Entre Ríos Digital, universatil, cientificosargentinos, and numerous other online sources (in Spanish)
- 2012/05/10 Advanced Real-Time Lab and Prof. Wainer's participation in the All Things Digital event, Exchange Magazine, Ottawa
- 2011/04/11 Prof. Wainer wins Outstanding Professional Contribution Award, In The Ottawa Citizen (online), Exchange Magazine (technology news), and various IT portals (Canadian-universities.net, wired web press Canada, targetednews.com)
- 2010/10/19 Argentinian Researcher Recognized for his work in Modeling and Simulation (in Spanish), Canal AR (technology news, Argentina), Argentina.ar (main public portal of Argentina), titulares24.com, pais24.com and other IT portals (Keegy.com, tecnoaldia.com, argentinapais.com, etc.) (in Spanish)
- 2006/09/10 News clipping about tutorial in QA&Test 2006, Estrategia Empresarial and Qualitas magazines (Spain), Embedded Systems Europe and other news sites (Cio Spain).
- 2006/04/05 Architectural Reconstruction project, Yvelines and other news sites (Profetic, BE Canada).
- 2006/03/03 Interview about Carleton-University of Arizona visit, Inside Tucson Business.
- 2005/06/19 Interview about Real-Time modeling and simulation activities, and Carleton University Research Achievement Award, Pauline Tam, The Ottawa Citizen.
- 2005/05/05 Carleton University Research Achievement Awards, Sillicon Valley North.
- 2004/07/15 Modeling forest wildfires using Cell-DEVS, ACM Technews and other news sites (Newswise, Innovations Report, Future Brief Alert, Media Release Canada, IcivilEngineer, etc.).
- 2003/07/01 Research on Real-Time Modeling and Simulation, Modeling and Simulation Magazine. Society for Modeling and Simulation International.
- 2003/06/02 Parallel Cell-DEVS modeling and simulation, La Nación (Buenos Aires, Argentina). Informatics section. Reproduced in different newsletters (Axxon, SicaNews, InterlinkNews, Ecofield).
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Online Resources

1. Co-Author. Gabriel Wainer Cristina Ruiz-Martín*. Surviving nuclear disasters depends on stronger communications networks. (2019).
Description / Contribution Value: The Conversation Canada (hundreds of online sites) <https://theconversation.com/surviving-nuclear-disasters-depends-on-stronger-communications-networks-123234>
2. *O. Hesham, G. Wainer. CPDENSE: A Crowd Simulator For Dense Scenarios. (2018).
Description / Contribution Value: Software Demo at SpringSim Demo Workshop
3. *C. Ruiz-Martin, G. Wainer, A. Lopez-Paredes. Architecture To Simulate Diffusion Processes. (2018).
Description / Contribution Value: Simulation software evaluated as functional, reusable and available according to ACM initiative on Reusability (<https://www.acm.org/publications/policies/artifact-review-badging>)
4. *M. Etemad, *S. Wang, G. Wainer. Cell-DEVS Mobile Simulation. (2015).
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Conference Publications

1. *C. Ruiz-Martin, G. Wainer. Studying the resilience of communications in organizations using formal modelling and Simulation. Ninth Workshop on Simulation, Barcelona, Spain,
Conference Date: 2018/6
Poster
Refereed?: Yes, Invited?: No

2. A. Al-Habashna*, V. Subashini*, N. Arellano*, C. Ruiz-Martin*, G. Wainer, S. Fai, L. O'Brien. (2020). Indoor Localization and Building Occupancy Count Estimation using LTE-A Ultra-Dense Networks. Symposium on Simulation in Architecture and Urban Design (SimAUD 2020), Vienna, Austria, (12 pages),
Paper
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Refereed?: Yes, Invited?: No
3. J. Lanuza*, G. Trabes*, G. Wainer. (2020). Parallel Execution Of DEVS In Shared-Memory Multicore Architectures. SCS/ACM/IEEE Spring Simulation Conference, Fairfax, VA, (12 pages),
Paper
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Refereed?: Yes, Invited?: No
4. J. Boi-Ukeme*, G. Wainer. (2020). A Framework For The Extension Of DEVS With Sensor Fusion Capabilities. SCS/ACM/IEEE Spring Simulation Conference, Fairfax, VA, (12 pages),
Paper
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Refereed?: Yes, Invited?: No
5. B. Earle*, K. Bjornson*, C. Ruiz-Martin*, G. Wainer. (2020). Development Of A Real-Time DEVS Kernel: RT-Cadmium. SCS/ACM/IEEE Spring Simulation Conference, Fairfax, VA, (12 pages),
Conference Date: 2020/5
Paper
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Refereed?: Yes, Invited?: No
6. R. Barwell*, G. Wainer. (2020). Strategic Airlift Operationalizing Constructive Simulations. SCS/ACM/IEEE Annual Simulation Symposium (ANSS), Fairfax, VA, (12 pages),
Conference Date: 2020/5
Paper
Published
Refereed?: Yes, Invited?: No
7. A. Al-Habashna*, G. Wainer. (2020). Studying Malware Propagation in Wireless Sensor Networks with Cell-DEVS. Spring Simulation Conference, Fairfax, VA, United States (12 pages),
Conference Date: 2020/5
Paper
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Refereed?: Yes, Invited?: No
8. A. Shaw*, A. Singh*. (2020). A Model Library For Finite State Machines In Cadmium. SCS/ACM/IEEE Theory of Modeling and Simulation (TMS-DEVS), Fairfax, VA, United States,
Conference Date: 2020/5
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Refereed?: No, Invited?: No
9. C. Ruiz-Martin*, A. Lopez-Paredes, G. Wainer. (2020). Studying Communications Resiliency In Emergency Plans. SCS/ACM/IEEE Spring Simulation Conference, Fairfax, VA, (12 pages),
Conference Date: 2020/5
Paper
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Refereed?: Yes, Invited?: No

10. G. Wainer. (2019). Applying Modelling and Simulation for Development of Embedded Systems. SummerSim 2019, Berlin, Germany (12 pages). ACM/IEEE/SCS, Paper
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Refereed?: Yes, Invited?: No
11. G. Wainer. (2019). An Introduction to Cellular Automata Models with Cell-DEVS. Winter Simulation Conference, National Harbor, MD, United States (15 pages). INFORMS/ACM/IEEE/SCS, Conference Date: 2019/12
Paper
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Refereed?: Yes, Invited?: Yes
12. D. Vicino*, G. Trabes*, G. Wainer. (2019). New Datatypes to Represent Time in Discrete-event Simulation. Winter Simulation Conference, National Harbor, MD, United States (12 pages). INFORMS/ACM/IEEE/SCS, Conference Date: 2019/12
Paper
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Refereed?: Yes, Invited?: No
13. D. Vicino*, L. Belolli*, C. Ruiz-Martin*, G. Wainer. (2019). Building DEVS Models with the Cadmium Tool. Proceedings of Winter Simulation Conference, National Harbor, MD, United States (15 pages). INFORMS/ACM/IEEE/SCS, Conference Date: 2019/12
Paper
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Refereed?: Yes, Invited?: Yes
14. B. St-Aubin*, E. Yammine*, M. Nayef*, G. Wainer. (2019). Analytics And Visualization Of Spatial Models As A Service. SummerSim 2019, Berlin, Germany. ACM/IEEE/SCS, Conference Date: 2019/7
Paper
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Refereed?: Yes, Invited?: Yes
15. G. Trabes*, I. Oyelowo*, M. Dan'gana*, G. Wainer. (2019). Cellular Discrete-Event Models For Social Systems. SummerSim 2019, Berlin, Germany (12 pages). ACM/IEEE/SCS, Conference Date: 2019/7
Paper
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Refereed?: Yes, Invited?: No
16. A. Davoust*, P. Gavigan*, C. Ruiz-Martin*, G. Trabes*, B. Esfandiari, G. Wainer, J. James. (2019). An Architecture for Integrating BDI Agents with a Simulation Environment. EMAS-2019 (workshop of AAMAS'19). LNAI vol. 12058., Montréal, Canada, Conference Date: 2019/5
Paper
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Refereed?: Yes, Invited?: No
17. A. Al-Habashna*, C. Ruiz-Martín*, G. Wainer. (2019). Analyzing The Impact Of Quantum Size On The Accuracy And Performance Of Cell-DEVS Fire Models. Symposium on Theory of Modeling and Simulation, Tucson, AZ, United States (12 pages). ACM/IEEE/SCS, Conference Date: 2019/4
Paper
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Refereed?: Yes, Invited?: No

18. B. St-Aubin*, G. Wainer. (2019). A Cell-DEVS Model For Logistic Urban Growth. Annual Simulation Symposium, Tucson, AZ, United States. ACM/IEEE/SCS, Conference Date: 2019/4
Paper
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Refereed?: Yes, Invited?: No
19. S. Janapalli*, O. Hesham*, G. Wainer. (2019). Heterogeneous Crowd Simulation. Annual Simulation Symposium, Tucson, AZ, United States. ACM/IEEE/SCS, Conference Date: 2019/4
Paper
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Refereed?: Yes, Invited?: No
20. A. Al-Habashna*, L. Belolli*, C. Ruiz-Martín*, G. Wainer. (2019). Control of a Quadcopter Application With DEVS. Symposium on Theory of Modeling and Simulation, Tucson, AZ, United States. ACM/IEEE/SCS, Conference Date: 2019/4
Paper
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Refereed?: Yes, Invited?: No
21. K. Bjornson*, B. Earle*, J. B. Ukeme*, G. Wainer. (2019). Design And Implementation Of A Building Control System In Embedded-DEVS. Spring Simulation Conference, Tucson, AZ, United States. ACM/IEEE/SCS, Conference Date: 2019/4
Paper
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Refereed?: Yes, Invited?: No
22. G. Wainer, *C. Ruiz, R. Castro. (2018). Building Partial Differential Equations Models Using Cell-DEVS. Winter Simulation Conference, Gothenburg, Sweden, Conference Date: 2018/12
Paper
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Refereed?: Yes, Invited?: Yes
23. G. Wainer, R. Goldstein, A. Khan. (2018). Introduction to the DEVS Formalism. Winter Simulation Conference, Gothenburg, Sweden, Conference Date: 2018/12
Paper
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Refereed?: Yes, Invited?: Yes
24. *B. St-Aubin, *O. Hesham, G. Wainer. (2018). A Cell-DEVS Visualization and Analysis Platform. Computer Simulation Conference, Bordeaux, France, Conference Date: 2018/7
Paper
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Refereed?: Yes, Invited?: No
25. *A. Behl, *C. Ruiz-Martín, G. Wainer. (2018). Cell-DEVS Models Of Social Influence For Human Behavior. Summer Computer Simulation Conference, Bordeaux, France, Conference Date: 2018/7
Paper
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26. *J. B. Ukeme, *N. Echegini, G. Wainer. (2018). Modeling Oil Spill In Coastal Waters Using Cell-DEVS. Summer Computer Simulation Conference, Bordeaux, France, Conference Date: 2018/7
Paper
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27. *A. Al-Habashna, G. Wainer. (2018). DASH-based Device-to-Device Video Streaming for Cellular Networks with High User Density. International Symposium on Performance Evaluation of Computer and Telecommunication Systems (SPECTS), Bordeaux, France, Conference Date: 2018/7
Paper
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Refereed?: Yes, Invited?: No
28. *V. Margarida Gomes, *M. Reis, G. Wainer, *W. Calixto. (2018). Relationship Between Risk and System Complexity from a Connection Based Metric Perspective. IEEE 18th International Conference on Environment and Electrical Engineering, Palermo, Italy, Conference Date: 2018/6
Paper
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Refereed?: Yes, Invited?: No
29. O. Hesham*, Princy*, W. Aburime*, Z. Rabeh*, S. Bhushan*, G. Wainer. (2018). Observed Behaviours in Simulated Close-range Pedestrian Dynamics. Symposium on Simulation in Architecture and Urban Design (SimAUD'18), Delft, Netherlands, Conference Date: 2018/5
Paper
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Refereed?: Yes, Invited?: No
30. C. Ruiz-Martín, G. Wainer, A. López-Paredes. (2018). Formal Abstract Modeling of Dynamic Multiplex Networks. ACM SIGSIM Conference on Principles of Advanced Discrete Simulation (PADS), Rome, Italy, Conference Date: 2018/5
Paper
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Refereed?: Yes, Invited?: No
31. *B. Kazi, G. Wainer. (2018). Handover oscillation reduction in ultra-dense heterogeneous cellular networks using enhanced handover approach. Springsim, Baltimore, United States. SCS/ACM, Conference Date: 2018/4
Paper
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Refereed?: Yes, Invited?: No
32. J. Boi-Ukeme*, I. Oyelowo*, G. Wainer, N. Echegini*, S. Zlotnik. (2018). Cell-DEVS Modeling and Simulation of artificial hydraulic fracturing of rocks in boreholes. Springsim 2018 (Symposium on Theory of Modeling and Simulation - TMS'18), Baltimore, United States, Conference Date: 2018/4
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33. I. Oyelowo*, B. Artacho*, G. Wainer, S. O'Young. (2018). Using Cell-DEVS For Prototyping Unmanned Aircraft System Traffic Simulation. Springsim 2018 (Symposium on Theory of Modeling and Simulation - TMS'18), Baltimore, United States, Conference Date: 2018/4
Paper
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Refereed?: Yes, Invited?: No
34. A. Al-Habashna, S. Fernandes, G. Wainer. (2018). Analyzing the effect of LTE-A Transmission Parameters on Video StreamingQuality of Experience. SpringSim, Baltimore, United States. SCS/ACM, Conference Date: 2018/4
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35. B. Kazi*, G. Wainer. (2017). Handover Enhancement for LTE and Beyond Heterogeneous Cellular Networks. International Symposium on Performance Evaluation of Computer and Telecommunication Systems (SPECTS), Seattle, WA, United States. IEEE,
Paper
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Refereed?: Yes, Invited?: No
36. C. Ruiz*, G. Wainer, A. Lopez-Paredes. (2017). An Architecture To Simulate Diffusion Processes In Multiplex Dynamic Networks. Winter Simulation Conference., Nevada, United States, Conference Date: 2017/12
Abstract
37. G. Wainer, S. Stewart*. (2017). A Cell-DEVS Model For Fracture Propagation In Rock. Winter Simulation Conference, Las Vegas, NV, United States, Conference Date: 2017/12
Paper
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Refereed?: Yes, Invited?: Yes
38. A. Magalhães*, G. Wainer, V. Gomes*, W. Calixto. (2017). Sensitivity analysis ofthe synchronous generation repowering system in parallel with inductiongenerator. ChileCon 2017, Pucón, Chile. IEEE, Conference Date: 2017/11
Paper
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Refereed?: Yes, Invited?: No
39. M. Reis*, W. Calixto, A. Magalhaes*, F. Gomes and G. Wainer. (2017). Nolinear Simulation Methodology for Switched Reluctance Machine Using Induction Profile Found By Parametric Regression. IEEE Chilecon, Pucón, Chile. IEEE, Conference Date: 2017/11
Paper
Published
Refereed?: Yes, Invited?: No
40. V. Gomes*, C. Abrenhosa*, G. Wainer and W. Calixto. (2017). Analytical method for calculating the sensitivity index of system parameters. IEEE Chilecon, Pucón, Chile. IEEE, Conference Date: 2017/11
Paper
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41. A. Al-Habashna*, G. Wainer. (2017). Improving Video Streaming Over Cellular Networks with DASH-based Device-to-Device Streaming. International Symposium on Performance Evaluation of Computer and Telecommunication Systems (SPECTS), Seattle, WA, United States. IEEE, Conference Date: 2017/7
Paper
Published
Refereed?: Yes, Invited?: No
42. G. Wainer, M. Etemad*, B. Kazi*. (2017). Modeling Coordinated Multipoint with a Dynamic Coordination Station in LTE-A Mobile Networks. 14th IEEE International Conference on Networking, Sensing and Control. Calabria, Italy, Calabria, Italy. IEEE, Conference Date: 2017/5
Paper
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Refereed?: Yes, Invited?: Yes
43. B. Kazi*, G. Wainer. (2017). Formal Modeling and Simulation To Analyze The DynamicsOf Malware Propagation In Networks Using Cell-DEVS. SpringSim 2017 (CNS'17), Virginia Beach, VA, United States, Conference Date: 2017/4
Paper
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Refereed?: Yes, Invited?: No
44. D. Vicino*, O. Dalle, G. Wainer. (2017). An Abstract Discrete-Event Simulator considering input with Uncertainty. 2017 SCS/ACM/IEEE Symposium on Theory of Modeling and Simulation, TMS'17, Virginia Beach, VA, United States, Conference Date: 2017/4
Paper
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Refereed?: Yes, Invited?: No
45. A. Al-Habashna*, G. Wainer. (2017). DEVS-based Modeling of Cached and Segmented Video Download Algorithms in LTE-A Cellular Networks. SpringSim 2017 (CNS'17), Virginia Beach, VA, United States, Conference Date: 2017/4
Paper
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Refereed?: Yes, Invited?: No
46. B. Kazi*, G. Wainer, V. Guimaraes da Silva*. (2017). Modeling and Simulation of User Mobility and Handoverin LTE-A Mobile Networks Using DEVS. SpringSim 2017 (CNS'17), Virginia Beach, VA, United States, Conference Date: 2017/4
Paper
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Refereed?: Yes, Invited?: No
47. M. Tavanpour*, J. Mikhail*, G. Wainer, G. Boudreau. (2017). The Case For DEVS In Networking M&S: Upload User Collaboration In Mobile Networks Using Coordinated Multipoint. 2017 SCS/ACM/IEEE Symposium on Theory of Modeling and Simulation, TMS'17, Virginia Beach, VA, United States, Conference Date: 2017/4
Paper
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Refereed?: Yes, Invited?: No

48. O. Hesham*, G. Wainer. (2017). Context-sensitive Personal Spaces for Dense Crowd Flow. SimAUD 2017, Toronto, ON, Canada,
Conference Date: 2017/3
Paper
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Refereed?: Yes, Invited?: No
49. C. Ruiz-Martin*, G. Wainer, Y. Bouanan*, G. Zacharewicz, A. Lopez Paredes. (2016). A Hybrid Approach to Study Communication in Emergency Plans. Winter Simulation Conference, Washington, DC, United States,
Conference Date: 2016/12
Paper
In Press
Refereed?: Yes, Invited?: Yes
50. G. Wainer, C. Ruiz-Martin*, A. Lopez Paredes. (2016). Cellular Models for Emerging Traffic Behavior. CAMUSS 2016, Quebec City, QC, Canada,
Conference Date: 2016/9
Paper
In Press
Refereed?: Yes, Invited?: No
51. A. Al-Habashna, G. Wainer, G. Boudreau, R. Casselman. (2016). Cached and Segmented Video Download for Video Transmission in Cellular Networks. International Symposium on Performance Evaluation of Computer and Telecommunication Systems (SPECTS), Montréal, QC, Canada,
Conference Date: 2016/7
Paper
Published
Refereed?: Yes, Invited?: No
52. A. Al-Habashna*, S. Fernandes, G. Wainer. (2016). DASH-based Peer-to-Peer Video Streaming in Cellular Networks. International Symposium on Performance Evaluation of Computer and Telecommunication Systems (SPECTS), Montréal, QC, Canada,
Conference Date: 2016/7
Paper
Published
Refereed?: Yes, Invited?: No
53. A. Inostrosa-Psijas*, G. Wainer, V. Gil-Costa, M. Marín. (2016). Formal Verification of DEVS Simulation: Web Search Engine Model Case Study. Summer Computer Simulation Conference, Montréal, QC, Canada,
Conference Date: 2016/7
Paper
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Refereed?: Yes, Invited?: No
54. B. Kazi*, M. Etemad*, G. Wainer, G. Boudreau. (2016). Using Elected Coordination Stations for CSI Feedback on CoMP Downlink Transmissions. International Symposium on Performance Evaluation of Computer and Telecommunication Systems (SPECTS), Montréal, QC, Canada,
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55. B. Kazi*, M. Etemad*, G. Wainer, G. Boudreau, R. Casselman. (2016). Signaling Overhead and Feedback Delay Reduction in Heterogeneous Multicell Cooperative Networks. International Symposium on Performance Evaluation of Computer and Telecommunication Systems (SPECTS), Montréal, QC, Canada, Conference Date: 2016/7
Paper
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Refereed?: Yes, Invited?: No
56. C. Ruiz-Martin*, G. Wainer; JM Perez; J. Pajares; C. Hernandez; A. Lopez. (2016). Organizational Resilience in Practice: the Viable System Model. The International Joint Conference - CIO-ICIEOM-IISE-AIM (IJC2016)., San Sebastian, Spain, Conference Date: 2016/6
Abstract
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57. M. Van Schyndel*, O. Hesham*, G. Wainer, B. Malleck. (2016). Crowd Modeling in the Sun Life Building. Symposium on Simulation in Architecture and Urban Design (SimAUD 2016), London, United Kingdom, Conference Date: 2016/5
Paper
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Refereed?: Yes, Invited?: No
58. A. Al-Habashna, G. Wainer, G. Boudreau, R. Casselman. (2016). Simulating Cached and Segmented Video Download (CSVD) for Wireless Video Transmission. Annual Simulation Symposium, Pasadena, CA, United States, Conference Date: 2016/4
Paper
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Refereed?: Yes, Invited?: No
59. H. Saadawi*, G. Wainer, G. Pliego. (2016). DEVS Execution Acceleration with Machine Learning. 2016 SCS/ACM/IEEE Symposium on Theory of Modeling and Simulation, Pasadena, CA, United States, Conference Date: 2016/4
Paper
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Refereed?: Yes, Invited?: No
60. L. Belloli*, G. Wainer, R. Najmanovich. (2016). Parsing and Model Generation for Biological Processes. 2016 SCS/ACM/IEEE Symposium on Theory of Modeling and Simulation, Pasadena, CA, United States, Conference Date: 2016/4
Paper
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Refereed?: Yes, Invited?: No
61. B. A. de Mello*, G. Wainer. (2016). Scheduling Predictability In I-DEVS By Schedulability Analysis. 2016 SCS/ACM/IEEE Symposium on Theory of Modeling and Simulation, Pasadena, CA, United States, Conference Date: 2016/4
Paper
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Refereed?: Yes, Invited?: No

62. D. Vicino*, O. Dalle, G. Wainer. (2016). An Advanced Data Typewith Irrational Numbers to Implement Time in DEVS Simulator. 2016 SCS/ACM/IEEE Symposium on Theory of Modeling and Simulation, Pasadena, CA, United States,
Conference Date: 2016/4
Paper
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Refereed?: Yes, Invited?: No
63. D. Niyonkuru*, G. Wainer. (2016). A Kernel for Embeddedsystems development and simulation using the Boost Library. 2016 SCS/ACM/IEEE Symposium on Theory of Modeling and Simulation, Pasadena, CA, United States,
Conference Date: 2016/4
Paper
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Refereed?: Yes, Invited?: No
64. S. Wang*, G. Wainer. (2015). A Mashup Architecturewith Modeling and Simulation as a Service. 16th International Conference Web Information System Engineering. LNCS 9418., Miami, FL, United States,
Conference Date: 2015/12
Paper
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Refereed?: Yes, Invited?: No
65. G Wainer. (2015). DEVS Modelling and Simulation for Development ofEmbedded Systems. Winter Simulation Conference, Huntington Beach, CA, United States,
Conference Date: 2015/12
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Refereed?: Yes, Invited?: No
66. S. Wang*, G. Wainer. (2015). A Mashup Architecture with Modeling and Simulation as a Service. 16th International Conference Web Information System Engineering, Miami, United States. IEEE,
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Paper
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Refereed?: Yes, Invited?: No
67. D. Vicino*, G. Wainer, O. Dalle. (2015). Using Finite Forkable DEVS for Decision-Making Based on Time Measured with Uncertainty. SIMUTools 2015, Athens, Greece,
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Paper
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Refereed?: Yes, Invited?: No
- [68.](#) Niyonkuru D* and Wainer G. (2015). Towards a DEVS-based Operating System. Proceedings of the 2015 ACM SIGSIM Principles of Advanced Discrete Simulation, London, United Kingdom (101--112),
Conference Date: 2015/6
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Refereed?: Yes, Invited?: Yes

69. D. Vicino, G. Wainer, O. Dalle. (2015). Using Finite Forkable DEVS for Decision-Making Based on Time Measured with Uncertainty. ACM SIGSIM Conference on Principles of Advanced Discrete Simulation (PADS), London, United Kingdom, Conference Date: 2015/5
Poster
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Refereed?: Yes, Invited?: Yes
70. C Ruiz*, A. López Paredes, G. Wainer. (2015). Applying Complex Network Theory to the Assessment of Organizational Resilience. 15th Symposium on Information Control Problems in Manufacturing INCOM 2015 Symposium, Ottawa, Canada. IFAC/IFIP/INFORMS, Conference Date: 2015/5
Paper
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Refereed?: Yes, Invited?: No
71. S. Wang*, G. Wainer. (2015). Semantic Selection for Model Composition using SAMSaaS. 2015 SCS/ACM/IEEE Symposium on Theory of Modeling and Simulation, TMS'15, Arlington, United States, Conference Date: 2015/4
Paper
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Refereed?: Yes, Invited?: No
72. M. Tavanpour*, M. Moallemi*, J. Mikhail*, G. Wainer, G. Boudreau and R. Casselman. (2015). DEVS Based Modeling of Shared Segmented Upload in LTE-A Mobile Networks. Proceedings of 17th Communications and Networking Symposium (CNS'15), Alexandria, United States, Conference Date: 2015/4
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73. D. Vicino*, G. Wainer. (2015). Sequential PDEVS architecture. 2015 SCS/ACM/IEEE Symposium on Theory of Modeling and Simulation, TMS'15, United States, Conference Date: 2015/4
Paper
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Refereed?: Yes, Invited?: No
74. M. Etemad*, S. Wang*, G. Wainer. (2015). Mobile Simulation: Bringing Simulations to Smartphones. Mobile App competition paper. Spring Simulation Conference, Alexandria, United States, Conference Date: 2015/4
Paper
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Refereed?: Yes, Invited?: No
75. Inostrosa-Psijas A*, Wainer G, Gil-Costa V, Marín M. (2014). DEVS modeling of large scale web search engines. Winter Simulation Conference 2014, Savannah, GA, Savannah, United States, Conference Date: 2014/12
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Refereed?: Yes, Invited?: Yes

76. Wainer G. (2014). Cellular Modeling with Cell-DEVS: a Discrete-Event Cellular Automata formalism (Plenary Paper). ACRI 2014 (Cellular Automata for Research and Industry, Krakow, Poland, Conference Date: 2014/9
Paper
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Refereed?: Yes, Invited?: Yes
77. Vicino D*, Lung CH, Wainer G, Dalle O. (2014). Evaluating the impact of Software-Defined Networks' Reactive Routing on BitTorrent performance. International Workshop on Software Defined Networks for a New Generation of Applications and Services (SDN-NGAS 2014). Niagara Falls, ON., Niagara Falls, Canada,
Conference Date: 2014/8
Paper
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Refereed?: Yes, Invited?: No
78. Schyndel M*, Wainer G, Khan A, Goldstein R*. (2014). Computational Fluid Dynamic Cell-DEVS M&S of Coronary Heart Disease. Summer Computer Simulation Conference 2014, Monterey, United States, Conference Date: 2014/7
Paper
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Refereed?: Yes, Invited?: No
79. Tavanpour M*, Moallemi M*, Wainer G, Mikhail J*, Boudreau G, Casselman R. (2014). Shared Segmented Upload in Mobile Networks using Coordinated Multipoint. 2014 International Symposium on Performance Evaluation of Computer and Telecommunication Systems (SPECTS'14), Monterey, United States, Conference Date: 2014/7
Paper
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Refereed?: Yes, Invited?: No
80. Hosang E*, Wainer G. (2014). Interoperability Of DEVS And C-BML Simulation Models. International Conference on Modeling, Simulation and Visualization Methods (MSV 2014), Las Vegas, United States, Conference Date: 2014/7
Paper
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Refereed?: Yes, Invited?: No
81. Schyndel M*, Wainer G. (2014). Advanced Computational Fluid Dynamic Solver Based on Cell-DEVS. 2014 SCS/ACM/IEEE Symposium on Theory of Modeling and Simulation, TMS'14, Tampa, United States, Conference Date: 2014/4
Paper
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82. Wang S*, Wainer G. (2014). Semantic Mashups for Simulation as a Service with Tag Mining and Ontology Learning. 2014 SCS/ACM/IEEE Symposium on Theory of Modeling and Simulation, TMS'14, Tampa, United States, Conference Date: 2014/4
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83. Vicino D*, Dalle O, Wainer G. (2014). A data type for discretized time representation in DEVS. 7th International ICST Conference on Simulation Tools and Techniques, 2014 (SIMUTools'14), Lisbon, Portugal,
Conference Date: 2014/3
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Refereed?: Yes, Invited?: No
84. Wainer G, Tavanpour M*, Broutin E*. (2013). Application of the DEVS and Cell-DEVS formalisms for modeling networking applications. Winter Simulation Conference (WSC), 2013, Washington DC, United States,
Conference Date: 2013/12
Paper
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Refereed?: Yes, Invited?: Yes
85. Timmons C*, Wainer G. (2013). Thin Client Distributed Simulation Of Discrete Event Models. The International Workshop on Applied Modelling and Simulation, Buenos Aires, Argentina,
Conference Date: 2013/11
Paper
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Refereed?: Yes, Invited?: No
86. El-Shabani M*, Moallemi M*, Wainer G. (2013). Cellular Simulation of Asymmetric Energy Requirements in Wireless Sensor Networks. SCS/ACM Summer Computer Simulation Conference (SCSC'13), Toronto, Canada,
Conference Date: 2013/7
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Refereed?: Yes, Invited?: No
87. Jeffery A*, Panke J*, Eaket N*, Wainer G. (2013). Mobile Simulation With Applications for Serious Gaming. SCS/ACM Summer Computer Simulation Conference (SCSC'13), Toronto, Canada,
Conference Date: 2013/7
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Refereed?: Yes, Invited?: No
88. Van Schyndel M*, Wainer G, Moallemi M*. (2013). Computational Fluid Dynamic Solver based on Cellular Discrete-Event Simulation. 2013 3rd International Conference on Simulation and Modeling Methodologies, Technologies and Applications, Reykjavik, Iceland,
Conference Date: 2013/7
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Refereed?: Yes, Invited?: No
89. Farrell R*, Moallemi M*, Wang S*, Xiang W*, Wainer G. (2013). Modeling and Simulation of Crowd using Cellular Discrete Event Systems Theory. ACM SIGSIM Conference on Principles of Advanced Discrete Simulation (PADS), Montreal, Canada,
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90. Saadawi H*, Wainer G. (2013). Hybrid Systems Modeling and Verification with DEVS. 2013 SCS/ACM/IEEE Symposium on Theory of Modeling and Simulation, TMS/DEVS'13, San Diego, United States, Conference Date: 2013/4
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91. Moallemi M*, Wainer G, Jafer S*, Boudreau G, Casselman R. (2013). Simulation of Mobile Networks using Discrete Event System Specification Theory. 2013 SCS/ACM 16th Communications and Networking Symposium (CNS'13), San Diego, United States, Conference Date: 2013/4
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92. Wang S*, Wainer G, Rajus V*, Woodbury R. (2013). Occupancy Analysis using Building Information Modeling and Cell-DEVS Simulation. 2013 SCS/ACM/IEEE Symposium on Theory of Modeling and Simulation, TMS/DEVS'13, San Diego, United States, Conference Date: 2013/4
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93. Wang S*, Wainer G, Goldstein R*, Khan A. (2013). Solutions for Scalability in Building Information Modeling and Simulation-Based Design. SCS/ACM Symposium on Simulation for Architecture and Urban Design, San Diego, United States, Conference Date: 2013/4
Paper
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Refereed?: Yes, Invited?: No
94. Freire V*, Wang S*, Wainer G. (2013). Visualization in 3ds Max for Cell-DEVS models based on Building Information Modeling. SCS/ACM Symposium on Simulation for Architecture and Urban Design, San Diego, United States, Conference Date: 2013/4
Paper
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Refereed?: Yes, Invited?: No
95. Tavanpour M*, Wainer G, Boudreau G, Casselman R. (2013). DEVS-based Modeling of Coordinated Multipoint Techniques for LTE-Advanced. 2013 SCS/ACM 16th Communications and Networking Symposium (CNS'13), San Diego, United States, Conference Date: 2013/4
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96. Wainer G. (2012). Advanced Spatial Systems with Cellular Discrete-Event Modeling and Simulation. Winter Simulation Conference 2012, Berlin, Germany, Conference Date: 2012/12
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98. Taylor S J E, Fujimoto R, Page E H, Fishwick P A, Uhrmacher A M, Wainer G. (2012). Panel on Grand Challenges for Modeling and Simulation. Winter Simulation Conference 2012, Berlin, Germany, Conference Date: 2012/12
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99. Davoust A*, Wainer G, Esfandiari B. (2012). DEVS Simulation of Peer-To-Peer File-Sharing. International Conference on High Performance Computing & Simulation (HPCS 2012), Madrid, Spain, Conference Date: 2012/7
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Refereed?: Yes, Invited?: No
101. Urquia A, Martin-Villalba C, Moallemi M*, Wainer G. (2012). DEVS Graphs in Modelica for Real-Time Simulation. 26th European Conference on Modelling and Simulation, ECMS 2012, Koblenz, Germany, Conference Date: 2012/5
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103. Jafer S*, Jafer Y*, Wainer G. (2012). Data Mining with Cellular Discrete Event Modeling and Simulation. Annual Simulation Symposium (SCS/ACM) 2012, Orlando, United States, Conference Date: 2012/3
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104. Morris H*, Wainer G. (2012). Music Generation Using Cellular Models. 2012 SCS/ACM/IEEE Symposium on Theory of Modeling and Simulation, TMS/DEVS'12, Orlando, United States, Conference Date: 2012/3
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106. Moallemi M*, Wainer G. (2012). Content-based image recognition using cellular discrete-event system specifications methodology. Annual Simulation Symposium (SCS/ACM) 2012, Orlando, United States, Conference Date: 2012/3
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110. Jafer S*, Wainer G. (2011). Conservative Synchronization Methods for Parallel DEVS and Cell-DEVS. 2011 ACM/SCS Summer Computer Simulation Conference, The Hague, Netherlands, Conference Date: 2011/6
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111. Ahmed A*, Moallemi M*, Wainer G, Mahmoud S. (2011). VCELL: A 3D Real-time Visual Simulation in Support of Combat. 2011 ACM/SCS Summer Computer Simulation Conference, The Hague, Netherlands, Conference Date: 2011/6
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112. Moallemi M*, Wainer G, Bergero F, Castro R. (2011). Component-Oriented Interoperation of Real-Time DEVS Engines. 2011 Spring Simulation Conference (SpringSim11), Boston, United States, Conference Date: 2011/4
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114. Moallemi M*, Jafer S*, Ahmed A*, Wainer G. (2011). Interfacing DEVS and visualization models for emergency management. SCS/ACM Symposium on Theory of Modeling and Simulation, TMS/DEVS'11. WIP workshop., Boston, United States, Conference Date: 2011/4
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121. Lissari S*, Farran N*, Yigang H*, Goldstein R*, Wainer G. (2010). Applying the TPS Method To Modeling And Simulation Of Biological Systems. Summer Computer Simulation Conference, SCSC 2010, Ottawa, Canada, Conference Date: 2010/7
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126. Etemad S A*, Wainer G. (2010). DEVS-based modeling of a human motion data synthesis and control system. ACM/SCS Summer Computer Simulation Conference (WIP session), Ottawa, Canada, Conference Date: 2010/7
Paper
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129. Jafer S*, Wainer G. (2010). Conservative DEVS - A novel protocol for parallel conservative simulation of DEVS and Cell-DEVS models. 2010 Spring Simulation Multiconference (SpringSim'10), Orlando, United States,
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131. Moallemi M*, Wainer G. (2010). Designing an interface for real-time and embedded DEVS. 2010 Spring Simulation Multiconference (SpringSim'10), Orlando, United States,
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144. Goldstein R*, Wainer G. (2009). Simulation of a Presynaptic Nerve Terminal with a Tethered Particle System Model. 31st Annual International Conference of the IEEE Engineering in Medicine and Biology Society, Minneapolis, United States,
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Paper
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150. Saadawi H*, Wainer G. (2009). Verification of real-time DEVS models. SCS/ACM Spring Simulation Multiconference (DEVS Symposium), San Diego, United States,
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Paper
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151. Moallemi M*, Wainer G. (2009). A system-on-chip FPGA implementation of embedded CD++. SCS/ACM Spring Simulation Multiconference (DEVS Symposium), San Diego, United States,
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152. Sanz V*, Jafer S*, Wainer G, Nicolescu G, Urquia A, Dormido S. (2009). Hybrid modeling of opto-electrical interfaces using DEVS and modelica. SCS/ACM Spring Simulation Multiconference (DEVS Symposium), San Diego, United States,
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153. Castonguay P*, Wainer G. (2009). Aircraft evacuation DEVS implementation & visualization. SCS/ACM Spring Simulation Multiconference (DEVS Symposium), San Diego, United States,
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154. Castonguay P*, Pendergast T*, Wainer G. (2009). Tools for DEVS modeling, simulation and 3D visualization. 2nd International Conference on Simulation Tools and Techniques, Rome, Italy,
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155. Chreyh R*, Wainer G. (2009). CD++ repository: An internet based searchable database of DEVS models and their experimental frames. SCS/ACM Spring Simulation Multiconference (DEVS Symposium), San Diego, United States,
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Refereed?: Yes, Invited?: No
156. Boiko Y*, Wainer G. (2009). Modeling of neural decoder based on binary spiking neurons in DEVS. SCS/ACM Spring Simulation Multiconference, (DEVS Symposium), San Diego, United States,
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158. Boiko Y*, Wainer G. (2009). Parallel tracing of multiple trajectories in gradient descent algorithm with Cell Broadband Engine. Poster Papers Workshop. Spring Simulation Multiconference (SpringSim'09), San Diego, United States,
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Conference Date: 2008/6
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166. Wainer G, Liu Q*, Chazal J*, Quinet L*, Traoré M.K. (2008). Performance analysis of web-based distributed simulation in DCD++: A case study across the Atlantic Ocean. High Performance Computing and Simulation Symposium (HPCS 2008), Ottawa, Canada (413-420),
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Paper
185. R. Madhoun*, G. Wainer. (2007). Performance analysis of Web-Based CD++. Proceedings of ACM/SCS DEVS Symposium 2007, Norfolk, United States,
Paper
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Paper
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Paper

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197. Al-Sanad, A*, Wainer, G.A. (2006). Random numbers generation with 2D Cell-DEVS. Summer Computer Simulation Conference, Part of the Summer Simulation Multiconference, SummerSim'06, Calgary, Canada (157-161), Paper
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202. Glinsky, E*, Wainer, G. (2006). New parallel simulation techniques of DEVS and Cell-DEVS in CD++. Annual Simulation Symposium, Huntsville, United States (244-251), Paper
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Intellectual Property

Patents

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Patent Status: Pending
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