

Total: 163 Post-graduate HQP

CURRENT RESEARCH TEAM MEMBERS (24)

Graduate Students (11 PhD + 04 MASc)

- Safwan Alfattani [Scholar] [[LinkedIn](#)] PhD [2017 –] (cosupervisor: [Prof. A. Yongacoglu](#))
- Nesrine Cherif [[Scholar](#)] [[LinkedIn](#)] PhD [2017 –] (cosupervisor: [Prof. A. Yongacoglu](#))
- Aditya Rajasekaran [[Scholar](#)] [[LinkedIn](#)] PhD [2018 –]
- Amir Mehrabian [Scholar] [[LinkedIn](#)] PhD [2018 –] (U. Tehran; cosupervisor: [Prof. M. Sabbaghian](#))
- Amin Farajzadeh [[Scholar](#)] [[LinkedIn](#)] PhD [2019 –]
- Hongzhao Zheng [Scholar] [[LinkedIn](#)] PhD [2020 –] (cosupervisor: [Prof. M. Atia](#))
- Mohamad Alkadamani [Scholar] [[LinkedIn](#)] PhD [2020 –]
- Afsoon Alidadi [Scholar] [[LinkedIn](#)] PhD [2021 –]
- Yin Lee [Scholar] [[LinkedIn](#)] PhD [2021 –] (cosupervisor: [Prof. G. Karabulut Kurt](#))
- Zichao Zhang [Scholar] [[LinkedIn](#)] PhD [2021 –]
- Dhiraj Bhattacharjee [[Scholar](#)] [[LinkedIn](#)] PhD [2021 –]
- Jintao Liang [Scholar] [[LinkedIn](#)] MASc [2020 –]
- Ammar Abdelsamie [Scholar] [[LinkedIn](#)] MASc [2020 –] (cosupervisor: [Prof. I. Marsland](#))
- Tuheen Ahmmed [Scholar] [[LinkedIn](#)] MASc [2021 –]
- Mohamed Hozayen [[Scholar](#)] [[LinkedIn](#)] MASc [2020 –] (cosupervisor: [Prof. G. Karabulut Kurt](#))

PDFs & Research Associates (07)

- Dr. Wael Jaafar [[Scholar](#)] [[LinkedIn](#)]
NSERC PDF [Dec 2018 – Dec 2022]
- Dr. Tasneem Darwish [[Scholar](#)] [[LinkedIn](#)]
Mitacs PDF [Apr 2020 – Mar 2023] (cosupervisor: [Prof. G. Karabulut Kurt](#))
Research Associate [Sep 2019 – Mar 2020] (cosupervisor: [Prof. G. Karabulut Kurt](#))
- Dr. Mohammed Younis Abdelsadek [[Scholar](#)] [[LinkedIn](#)]
Mitacs PDF [Sep 2021 – Aug 2023] (cosupervisor: [Prof. G. Karabulut Kurt](#))
PDF [Jun 2020 – Aug 2021] (cosupervisor: [Prof. G. Karabulut Kurt](#))

- Dr. Omid Abbasi [Scholar] [LinkedIn]
PDF [01 Oct 2020 – 30 Jun 2022]
- Dr. Animesh Yadav [Scholar] [LinkedIn]
Senior Research Associate [Oct 2020 –]
- Dr. Aizaz U. Chaudhry [Scholar] [LinkedIn]
Senior Research Associate [May 2020 – Aug 2022]
- Dr. Pablo Madoery [Scholar] [LinkedIn]
Mitacs PDF [01 Feb 2022 – 30 Nov 2023] (cosupervisor: [Prof. G. Karabulut Kurt](#))
- Dr. Cihan Emre Kement [Scholar] [LinkedIn]
PDF [01 Feb 2022 – 01 Feb 2024]

Visiting Professors, PDFs, and Scientists (01)

- Dr. Ferdi Kara [Scholar] [LinkedIn] Zonguldak Bulent Ecevit University, Turkey
Virtual Visiting PDF [01 Feb 2021 – 15 Apr 2022]
Visiting PDF (TUBITAK) [15 Apr 2022 – 15 Apr 2023]

Visiting Graduate Students (incoming 03)

- Weili Wang [Scholar] [LinkedIn] Chongqing U. of Posts and Telecommunications, China
Visiting PhD student [21 Jan 2022 – 01 Feb 2023]
- Adem Cicek [Scholar] [LinkedIn] Ankara Yildirim Beyazit University, Turkey
Visiting PhD student [01 Feb 2022 – 01 Feb 2023]
- Rozita Shafie [Scholar] [LinkedIn] Isfahan University of Technology, Iran
Visiting PhD student [01 Jun 2022 – 01 Jun 2023]

Undergraduate Interns (00)

FORMER RESEARCH TEAM MEMBERS

Former PDFs & Research Associates (19)

- Dr. Md. Sahabul Alam [Scholar] [LinkedIn]
NRQNT PDF [Aug 2019 – Jul 2021]
Current Employment: Assistant Professor, Electrical and Computer Engineering, California State University Northridge (CSUN), USA
- Dr. Jean-Daniel De Medjo Biomo [Scholar] [LinkedIn]
PDF [May 2020 – Jun 2021] (cosupervisor: [Prof. G. Karabulut Kurt](#))
Current Employment: Assistant Teaching Professor, Electrical Engineering and Computer Science, Syracuse University, USA
- Dr. Ahmed Ibrahim [Scholar] [LinkedIn]

PDF [Jan 2020 – Jan 2021]

Current Employment: Cloud RAN Systems Developer, Ericsson, Ottawa, Canada

- Dr. Mohammad Ghadir Khoshkholgh [[Scholar](#)] [[LinkedIn](#)]
PDF & Huawei Project Manager [Apr 2020 – Jan 2021]
Current Employment: Principal Scientist/Researcher – 5G New Radio, Ofinno, Vancouver, Canada
- Dr. Elham Kalantari [[Scholar](#)] [[LinkedIn](#)]
Research Associate [Mar – May 2020]
Current Employment: Radio Systems and Technology Developer, Ericsson, Ottawa, Canada
- Dr. Sahar Molla Aghajanzadeh [[Scholar](#)] [[LinkedIn](#)]
Research Associate [Nov 2018 – Jul 2019]
Current Employment: Microwave Algorithm Engineer, Huawei, Ottawa, Canada
- Dr. Jalal Khamse-Ashari [[Scholar](#)] [[LinkedIn](#)]
Research Associate [Jan – May 2019]
Current Employment: Wireless Systems Research Engineer, Huawei, Ottawa, Canada
- Dr. Sebastian Szyszkowicz [[Scholar](#)] [[LinkedIn](#)]
PDF & Telus Project Manager [Jan 2015 – Apr 2017]
- Dr. Amr El-Keyi [[Scholar](#)] [[LinkedIn](#)]
PDF [Sep 2015 – Jun 2017]
Current Employment: 5G System and Software Developer, Ericsson, Ottawa, Canada
- Dr. Ebrahim Bedeer Mohamed [[Scholar](#)] [[LinkedIn](#)]
Mitacs PDF [Sep 2015 – May 2017] (cosupervisor: [Prof. M.H. Ahmed](#), MUN)
Current Employment: Assistant Professor, Electrical and Computer Engineering, U. Saskatchewan, Canada
- Dr. Hamid Saber [[Scholar](#)] [[LinkedIn](#)]
Mitacs PDF [Sep – Nov 2016] (cosupervisor: Prof. I. Marsland)
Current Employment: Staff Systems Engineer, Samsung Electronics, San Diego, USA
- Dr. Ramy Gohary [[Scholar](#)] [[LinkedIn](#)]
Senior Research Associate & RIM Project Manager [April 2010 – August 2014]
Senior Research Associate & Huawei Project Manager [September 2014 – October 2016]
Current Employment: Assistant Professor, Systems and Computer Engineering, Carleton University
- Dr. Muhammad Zeeshan Shakir [[Scholar](#)] [[LinkedIn](#)]
PDF [Sep 2015 – Aug 2016]
Current Employment: Reader (Associate Professor), School of Computing, Engineering and Physical Sciences, University of the West of Scotland, UK
- Dr. Rainer Schoenen [[Scholar](#)] [[LinkedIn](#)]
Senior Research Associate & Huawei Project Manager [Jan 2011 – Aug 2014]
Current Employment: Professor, Hamburg University of Applied Sciences, Hamburg, Germany
- Dr. Petar Djukic [[Scholar](#)] [[LinkedIn](#)]
Senior Research Associate & Huawei Project Manager [Nov 2008 – Apr 2010]

Current Employment: Director, AI and Analytics, Office of the CTO, Ciena, Ottawa, Canada

- Dr. Abdulkareem Adinoyi [[Scholar](#)] [[LinkedIn](#)]
Senior Research Associate [May – Dec 2006]
Senior Research Associate & Samsung Project Manager [Sep 2007 – Aug 2009]
Current Employment: Senior Consultant, Saudi Telecom Company, Riyadh, Saudi Arabia
- Dr. Keivan Navaie [[Scholar](#)] [[LinkedIn](#)]
Senior Research Associate & EU FP6 WINNER Project Manager [Dec 2004 – Oct 2006]
Current Employment: Senior Lecturer, School of Computing & Communications, Lancaster University, UK
- Dr. Mohamed Hossam Ahmed [[Scholar](#)] [[LinkedIn](#)]
Senior Research Associate & NCIT Project Manager [April 2001 - March 2003] (cosupervisor: Prof. S. Mahmoud)
Visiting Professor [Aug 2005]
Current Employment: LTA Professor, Electrical Engineering and Computer Science, University of Ottawa, Canada (Former Professor, Memorial University of Newfoundland, St. John's, Canada)
- Dr. Eman Futuri [[Scholar](#)] [[LinkedIn](#)]
Senior Research Associate [Feb – Jun 2006]
Current Employment: Director of Educational Initiatives, Qatar Computing Research Institute, Qatar

Former Visiting PDFs and Scientists (07)

- Dr. Lina Bariah [[Scholar](#)] [[LinkedIn](#)] Visiting PDF [Jul – Aug 2019]
Home Institution: Khalifa University, Abu Dhabi, UAE
Current Employment: PDF, Center for Cyper-physical Systems, Khalifa University, Abu Dhabi, UAE
- Dr. Eylem Erdogan [[Scholar](#)] [[LinkedIn](#)] TUBITAK PDF [Apr – Jul 2016]
Current Employment: Associate Professor, Istanbul Medeniyet University, Turkey
- Dr. Sergey Andreev [[Scholar](#)] [[LinkedIn](#)] Visiting PDF [May – Jun 2015]
Home Institution: Tampere University of Technology, Finland
Current Employment: Associate Professor, Tampere University, Finland
- Dr. Khalil Al Sobhi [[Scholar](#)] [[LinkedIn](#)] Visiting Scientist [Jul – Oct 2014]
Home Institution: King Abdulaziz City of Science and Technology, Riyadh, Saudi Arabia
Current Employment: Senior Manager at NEOM, Tabuk, Saudi Arabia
- Dr. Daniel Calabuig [[Scholar](#)] [[LinkedIn](#)] Marie Curie PDF [Sep 2010 – Aug 2012]
Home Institution: Universidad Politécnica de Valencia (UPV), Valencia, Spain
Current Employment: PDF, Universidad Politécnica de Valencia (UPV), Valencia, Spain
- Dr. Gurhan Bulu [[Scholar](#)] [[LinkedIn](#)] TUBITAK PDF [Feb – Nov 2011]
Home Institution: Hacettepe University, Ankara, Turkey
Current Employment: Research Associate, Electrical and Electronics Engineering, Hacettepe University, Ankara, Turkey
- Dr. Rainer Schoenen [[Scholar](#)] [[LinkedIn](#)] Visiting PDF [Jan – Dec 2010]

Home Institution: ComNets, Aachen University, Germany

Current Employment: Professor, Hamburg University of Applied Sciences, Hamburg, Germany

Former Visiting Professors (15)

- Dr. Gunes Karabulut Kurt [[Scholar](#)] [[LinkedIn](#)] [Sep 2019 – Aug 2020]
Istanbul Technical University, Turkey
Current Employment: Electrical Engineering, Polytechnique Montréal, Montreal, Canada
- Dr. Zhaleh (Jale) Sadreddini [[Scholar](#)] [[LinkedIn](#)] [Jul – Aug 2019]
Istanbul Arel University, Turkey
Current Employment: Ericsson Research – Networks, Istanbul, Turkey
- Dr. Eylem Erdogan [[Scholar](#)] [[LinkedIn](#)] [Jul 2019]
Istanbul Medeniyet University, Turkey
- Dr. Sami Muhaidat [[Scholar](#)] [[LinkedIn](#)] [Jul 2019]
Khalifa University, Abu Dhabi, UAE
- Dr. Lina Mroueh [[Scholar](#)] [[LinkedIn](#)] [Jul – Sep 2018]
Ecole d'Ingenieurs du Numerique (ISEP), Paris, France
- Dr. Ozgur Ercetin [[Scholar](#)] [[LinkedIn](#)] [Sep 2017 – Jul 2018]
Sabanci University, Istanbul, Turkey
- Dr. Amir Hossein Mohajerzadeh [[Scholar](#)] [[LinkedIn](#)] [Aug 2017]
Ferdowsi University of Mashhad, Mashhad, Iran
- Dr. Taimour Aldalgamouni [[Scholar](#)] [[LinkedIn](#)] [Aug 2016 – Jul 2017]
Jordan University of Science and Technology, Irbid, Jordan
- Dr. Amir Hossein Mohajerzadeh [[Scholar](#)] [[LinkedIn](#)] [Aug 2016]
Ferdowsi University of Mashhad, Mashhad, Iran
- Dr. Yasser Gadallah [[Scholar](#)] [[LinkedIn](#)] [Jul – Aug 2016]
American University of Cairo, Cairo, Egypt
- Dr. Pawel A. Dmochowski [[Scholar](#)] [[LinkedIn](#)] [Sep 2014 – Jan 2015]
Victoria University of Wellington, Wellington, New Zealand
- Dr. Ibrahim Abualhaol [[Scholar](#)] [[LinkedIn](#)] [Jun – Aug 2013]
Khalifa University, Sharjah, UAE
Current: Principal Data Scientist, Huawei, Ottawa, Canada
- Dr. Mumtaz Yilmaz [[Scholar](#)] [[LinkedIn](#)] [Dec 2012 – Jun 2013]
Adnan Menderes University, Aydin, Turkey
- Dr. John Thompson [[Scholar](#)] [[LinkedIn](#)] [Jul – Oct 2006]
University of Edinburgh, UK

- Dr. Mohamed Adnan Landolsi [Scholar] [LinkedIn] [Summer 2002] (cosupervisor: Dr. B. Hashem)
King Fahd University of Petroleum and Minerals, Saudi Arabia
Current Employment: Kuwait University, Kuwait

Former Visiting Graduate Students (25)

- QiQi Ren [Scholar] [LinkedIn]
Visiting PhD student [Oct 2019 – Sep 2021]
Home Institution: Xidian University, Xi'an, China (supervisor: [Prof. Jian Chen](#))
Current Employment: PhD student, Xidian University, Xi'an, China
- Omid Abbasi [Scholar] [LinkedIn]
Visiting PhD student [Feb 2019 – Sep 2020]
Home Institution: Sahand U. of Technology, Tabriz, Iran (supervisor: [Prof. Afshin Ebrahimi](#))
Current Employment: PDF, Systems and Computer Engineering, Carleton University, Canada
- Yassine Hmamouche [[Scholar](#)] [[LinkedIn](#)]
Visiting PhD student [Aug – Nov 2019]
Home Institution: IMT-Atlantique, France (supervisor: [Prof. Samir Saoudi](#))
Current Employment: PDF, IMT-Atlantique, France
- Hossein Vaezy [[Scholar](#)] [[LinkedIn](#)]
Visiting PhD student [Feb 2018 – Jun 2019]
Home Institution: Isfahan U. of Technology, Iran (supervisor: [Prof. Mohammad Javad Omid](#))
Current Employment: PDF, Queen's University, Kingston, Canada
- Amin Farajzadeh [[Scholar](#)] [[LinkedIn](#)]
Visiting MSc Student [Dec 2017 – Jan 2019]
Home Institution: Sabanci University, Istanbul, Turkey (supervisor: [Prof. Ozgur Ercetin](#))
Current Employment: PhD student, Systems and Computer Engineering, Carleton University, Canada
- Mehdi S. H. Abad [[Scholar](#)] [[LinkedIn](#)]
Visiting PhD Student [Jul – Sep 2018]
Home Institution: Sabanci University, Istanbul, Turkey (supervisor: [Prof. Ozgur Ercetin](#))
Current Employment: Ericsson, Ankara, Turkey
- Salime Bameri [Scholar] [LinkedIn]
Visiting PhD Student [Feb 2016 – Aug 2017] (cosupervisor: [Prof. Ramy Gohary](#))
Home Institution: Shahid Bahonar U. of Kerman, Iran (supervisor: [Professor Siamak Talebi](#))
Current Employment: Research Associate, Systems and Computer Engineering, Carleton University
- Margarita Gapeyenko [[Scholar](#)] [[LinkedIn](#)]
Visiting PhD Student [Jul – Sep 2016] (cosupervisor: [Dr. Sebastian Szyszkowicz](#))
Home Institution: Tampere University of Technology, Finland (supervisor: [Dr. Sergey Andreev](#))
Current Employment: Nokia Bell Labs, Senior Standardization Specialist, Espoo, Finland
- Omer Haliloglu [Scholar] [[LinkedIn](#)]
Visiting PhD Student [Apr – Aug 2015]

- Home Institution: Hacettepe University, Ankara, Turkey (supervisor: [Prof. Cenk Toker](#))
 Current Employment: Ericsson, Istanbul, Turkey
- Olga Galinina [\[Scholar\]](#) [\[LinkedIn\]](#)
 Visiting PhD Student [May – Jun 2015]
 Home Institution: Tampere U. of Technology, Finland (supervisor: [Prof. Yevgeni Koucheryavy](#))
 Current Employment: PDF, Tampere University, Tampere, Finland
 - Jing Guo [\[Scholar\]](#) [\[LinkedIn\]](#)
 Visiting PhD Student [Jan – Apr 2015]
 Home Institution: Australian National U, Canberra, Australia (supervisor: [Prof. Salman Durrani](#))
 Current Employment: Associate Professor, School of Information and Electronics, Beijing Institute of Technology, China
 - Ibrahim Aydin [\[Scholar\]](#) [\[LinkedIn\]](#)
 Visiting PhD Student [Oct 2013 – Sep 2014]
 Home Institution: Istanbul Technical University, Istanbul, Turkey (supervisor: [Prof. Umit Aygolu](#))
 Current Employment: Software Developer, Cuboh - We're hiring!, Istanbul, Turkey
 - Zakaria El-Moutaouakkil [\[Scholar\]](#) [\[LinkedIn\]](#)
 Visiting PhD Student [Jul 2013 – Jun 2014]
 Home Institution: Telecom Bretagne, France (supervisor: [Prof. Samir Saoudi](#))
 Current Employment: Project Engineer, Sicotel Engineering Management, Casablanca, Morocco
 - Baris Yuksekkaya [\[Scholar\]](#) [\[LinkedIn\]](#)
 Visiting PhD Student (TUBITAK) [Sep 2013 – Mar 2014]
 Home Institution: Hacettepe University, Ankara, Turkey (supervisor: [Prof. Cenk Toker](#))
 Current Employment: Assistant Professor, Hacettepe University, Turkey
 - Oumar Alassane Barro [\[Scholar\]](#) [\[LinkedIn\]](#)
 Visiting Master's Student [Mar – Sep 2013]
 Home Institution: Universite de Rennes 1, Rennes Cedex, France
 Current Employment: RF Engineer, RFS - Radio Frequency Systems, Lannion, Brittany, France
 - David González G [\[Scholar\]](#) [\[LinkedIn\]](#)
 Visiting PhD Student [Mar – Jun 2013]
 Home Institution: Universitat Politècnica de Catalunya, Barcelona, Spain
 (supervisor: [Prof. Mario Garcia-Lozano](#))
 Current Employment: Wireless Communication Researcher, Continental Automotive AG, Germany
 - Davut Incebacak [\[Scholar\]](#) [\[LinkedIn\]](#)
 Visiting PhD Student [Dec 2012 – Jun 2013]
 Home Institution: Middle East Technical University, Ankara, Turkey
 - Jorge Cabrejas Peñuelas [\[Scholar\]](#) [\[LinkedIn\]](#)
 Visiting PhD Student [Jul – Oct 2012]
 Home Institution: Universidad Politecnica de Valencia, Valencia, Spain
 (supervisor: [Prof. Jose F. Monserrat](#))
 Current Employment: Data Scientist & Big Data Engineer, Idrica, Valencia, Spain

- Tariq Alshawi [[Scholar](#)] [[LinkedIn](#)]
Visiting Master's Student [Nov 2010]
Home Institution: King Saud University, Riyadh, Saudi Arabia (supervisor: [Prof. Saleh Alshebeili](#))
Current Employment: Assistant Professor, King Saud University, Riyadh, Saudi Arabia
- Imran Shafique Ansari [[Scholar](#)] [[LinkedIn](#)]
Visiting Master's Student [Jun – Aug 2010]
Home Institution: King Abdullah University for Science and Technology ([KAUST](#)), Saudi Arabia (supervisor: [Prof. Mohamed-Slim Alouini](#))
Current Employment: Lecturer (Assistant Professor), University of Glasgow, UK
- Houda Chafnaji [[Scholar](#)] [[LinkedIn](#)]
Visiting PhD Student [Aug 2008], [Jul 2009]
Home Institution: IMT Atlantique, France (supervisor: [Prof. Samir Saoudi](#))
Current Employment: Associate Professor, INPT, Rabat, Morocco
- Stefan Valentin [[Scholar](#)] [[LinkedIn](#)]
Visiting PhD Student [Oct 2008]
Home Institution: University of Paderborn, Germany (supervisor: [Prof. Holger Karl](#))
Current Employment: Professor, Darmstadt University of Applied Sciences, Germany
- Jung-Min Park [[Scholar](#)] [[LinkedIn](#)]
Visiting Ph.D. Student [Feb 2008]
Home Institution: School of Electrical and Electronics Engineering, Yonsei University, Korea (supervisor: [Prof. Seong-Lyun Kim](#))
- Basak Can [[Scholar](#)] [[LinkedIn](#)]
Visiting Ph.D. Student [Jan – May, 2007], [Nov 2007]
Home Institution: Department of Electronic Systems, Aalborg University, Denmark
(supervisors: [Prof. Hiroyuki Yomo](#), [Prof. Elisabeth De Carvalho](#), [Prof. Ramjee Prasad](#))
Current Employment: Senior Wireless Systems Engineer, Amazon Lab126 | Wireless Technology Group, Sunnyvale, CA, USA
- Yijia (Richard) Fan [[Scholar](#)] [[LinkedIn](#)]
Visiting Ph.D. Student [Summer 2005], [Fall 2006]
Home Institution: University of Edinburgh, UK (supervisor: [Prof. John S. Thompson](#))
Current Employment: Founder & Managing Partner, iOne Capital Management, New York, USA

Former Undergraduate Interns and Research Assistants (17 persons, 20 internships)

- Deepali Kumari [[Scholar](#)] [[LinkedIn](#)]
Mitacs Globalink Research Intern (GRI), virtual [May – Jul 2021]
Birs Institute of Technology, Sindri, India
Current Employment: Electrical Engineering student, Birs Institute of Technology, Sindri, India
- Chu Dong [[Scholar](#)] [[LinkedIn](#)]
Mitacs Globalink Research Intern (GRI), virtual [Jul – Sep 2021]
University of Electronic Science and Technology of China (UESTC), Chengdu, China
Current Employment: Electronic Information Engineering student, UESTC, China

- Joe El Dik [Scholar] [[LinkedIn](#)]
Undergraduate Summer Intern [Jun – Aug 2021]
Carleton University, Ottawa, Canada
Current Employment: Communications Engineering student, Carleton University, Ottawa, Canada
- Mohieddin Shakhsheer [Scholar] [[LinkedIn](#)]
I-CUREUS Summer Intern [May – Aug 2021]
Carleton University, Ottawa, Canada
Current Employment: Communications Engineering student, Carleton University, Ottawa, Canada
- Berkay Deniz [Scholar] [[LinkedIn](#)]
Summer Intern, virtual [Aug 2021]
Bogazici University, Istanbul, Turkey
Current Employment: Electrical and Electronics Engineering student, Bogazici U, Istanbul, Turkey
- Ammar Abdelsamie [Scholar] [[LinkedIn](#)]
Carleton FED USRA (undergraduate summer research assistant) [May – Aug 2020]
Carleton University, Ottawa, Canada
Current Employment: MSc student, Carleton University
- Mohamed Hozayen [[Scholar](#)] [[LinkedIn](#)]
NSERC USRA (undergraduate summer research assistant) [May – Aug 2019]
Carleton University I-CUREUS intern [Sep 2018 – Apr 2019]
Carleton University, Ottawa, Canada
Current Employment: Business Analyst, Deloitte, Ottawa, Canada
- Mohammad Issa [Scholar] [[LinkedIn](#)]
Undergraduate summer intern [Jun – Jul 2018]
Carleton University, Ottawa, Canada
Current Employment: Computer Systems Engineering student, Carleton University
- Rozhina Ghanavi [[Scholar](#)] [[LinkedIn](#)]
Visiting Student [July – Oct 2017]
Tehran University, Iran
Current Employment: Machine Learning Researcher, Cohere, Toronto, Canada
- Fizza Ahmad Sheikh [Scholar] [[LinkedIn](#)]
NSERC USRA (undergraduate summer research assistant) [May – Aug 2017]
Carleton University, Ottawa, Canada
Current Employment: Data Scientist, Shopify, Toronto, Canada
- Quoc-Nam Le-The [Scholar] [[LinkedIn](#)]
NSERC USRA (undergraduate summer research assistant) [May – Aug 2016]
Carleton University, Ottawa, Canada
Current Employment: Software Engineer, Google, New York, USA
- Daniel Rodrigues de Luna [Scholar] [[LinkedIn](#)]
Undergraduate Summer Intern [May – Aug 2014]
ScienceWithoutBorders Student, Brasil

- Sashini Senarath [Scholar] [[LinkedIn](#)]
Undergraduate Summer Intern [May – Aug 2014]
McMaster University, Hamilton, Canada
Current Employment: PhD student, University of Toronto, Canada
- Abdel Rahman El Beheri [Scholar] [[LinkedIn](#)]
Undergraduate Summer Intern [May – Aug 2014]
Carleton University, Ottawa, Canada
Current Employment: SSL/TLS Support and Integration, Sectigo, Ottawa, Canada
- Tarek Hamouda [Scholar] [[LinkedIn](#)]
NSERC USRA (undergraduate summer research assistant) [May – Aug 2012]
Carleton University, Ottawa, Canada
Current Employment: Senior Software Engineer – 5G ORAN, Dell Technologies, Ottawa, Canada
- Furkan Alaca [Scholar] [[LinkedIn](#)]
NSERC USRA (undergraduate summer research assistant) [May – Aug 2008]
NSERC USRA (undergraduate summer research assistant) [May – Aug 2009]
NSERC USRA (undergraduate summer research assistant) [May – Aug 2010]
Carleton University, Ottawa, Canada
Current Employment: Assistant Professor, School of Computer Science, Queen's University, Canada
- Talha Ahmad [Scholar] [[LinkedIn](#)]
NSERC USRA (undergraduate summer research assistant) [May – Aug 2009]
Carleton University, Ottawa, Canada
Current Employment: Software Development Manager, March Networks, Ottawa, Canada

Graduates – Completed with Theses (26 PhD + 28 MASC)

- 26. Rawan Alkurd** – PhD, Sep 2020 [[Scholar](#)] [[LinkedIn](#)]
(cosupervisor: [Dr. Ibrahim Abualhaol](#))
Big Data-driven AI-based Wireless Network Personalization [[thesis](#)]
Current Employment: Data Scientist, Larus, Ottawa, Canada
- 25. Irem Bor-Yaliniz** – PhD, May 2020 [[Scholar](#)] [[LinkedIn](#)]
Using Mobility for Agility: Enhancing Wireless Networks with Aerial Access Nodes and User Involvement [[thesis](#)]
Current Employment: Network Design Engineer, Huawei, Ottawa, Canada
- 24. Elham Kalantari** – PhD, University of Ottawa, Jan 2020 [[Scholar](#)] [[LinkedIn](#)]
(co-supervisor: Prof. Abbas Yongacoglu, University of Ottawa)
Base Station Placement in Integrated Aerial and Terrestrial Wireless Cellular Networks [[thesis](#)]
Current Employment: Radio Systems and Technology Developer, Ericsson, Ottawa, Canada
- 23. Monirosharieh Vameghestahbanati** – PhD, Jan 2020 [Scholar] [[LinkedIn](#)]
(co-supervisors: Prof. Ian Marsland and Prof. Ramy Gohary)
Designing Multidimensional Constellations and Efficient Detection Schemes for SCMA Systems [[thesis](#)]
Current Employment: Research Engineer, Huawei, Ottawa, Canada

- 22. Mohamed Alzenad** – PhD, May 2019 [[Scholar](#)] [[LinkedIn](#)]
Integrated Aerial and Terrestrial Wireless Access Architecture for Beyond-5G Networks [[thesis](#)]
Current Employment: Research Engineer, Huawei, Ottawa, Canada
- 21. Faraj Lagum** – PhD, Nov 2018 [[Scholar](#)] [[LinkedIn](#)]
(co-supervisor: Dr. Sebastian Szyszkowicz)
Stochastic Geometry-Based Tools for Spatial Modeling and Planning of Future Cellular Networks: Opportunistic Cell Switch-off and Strategic Deployment of Flying Base Stations [[thesis](#)]
Current Employment: PDF (supervisor: Professor M. Ibnkahla), Carleton University, Ottawa, Canada
- 20. Zakaria El-Moutaouakkil** – PhD, IMT Atlantique, France, Oct 2018 [[Scholar](#)] [[LinkedIn](#)]
(co-supervisors: Prof. Samir Saoudi, IMT Atlantique, France, and Dr. Kamel Tourki, Huawei France)
Spectrum-Efficient Cognitive MIMO Relaying: A Practical Design Perspective
Current Employment: Project Engineer, Sicotel Engineering Management Company, Casablanca, Morocco
- 19. Hossein Khoshnevis** – PhD, Sep 2018 [[Scholar](#)] [[LinkedIn](#)]
(co-supervisor: Prof. Ian Marsland)
Multilevel Polar Coded-Modulation for Wireless Communications [[thesis](#)]
Current Employment: DSP Engineer, Huawei, Ottawa, Canada
- 18. Yaser Fouad** – PhD, Jun 2018 [[Scholar](#)] [[LinkedIn](#)]
(co-supervisor: Prof. Ramy Gohary)
Number-Theoretic Sequence Design for Uncoordinated Resource Block Assignments in Relay-Assisted Machine-Type Communication Systems [[thesis](#)]
Current Employment: Staff Engineer, Samsung Electronics, Hillsboro, Oregon, USA
- 17. Mehmet Cagri Ilter** – PhD, Dec 2017 [[Scholar](#)] [[LinkedIn](#)]
SNR-Adaptive Constellation Design for Convolutional Codes [[thesis](#)]
Current Employment: PDF, Aalto University of Science and Technology, Finland
- 16. Hamza Umit Sokun** – PhD, Dec 2017 [[Scholar](#)] [[LinkedIn](#)]
(co-supervisor: Prof. Ramy Gohary)
Enhancing Energy and Spectral Efficiencies in Wireless Cellular Networks [[thesis](#)]
Current Employment: 5G System Developer, Ericsson, Ottawa, Canada
- 15. Meisam Mirahsan** – PhD, Jul 2017 [[Scholar](#)] [[LinkedIn](#)]
HetHetNets: Heterogeneous Wireless Cellular Networks with Heterogeneous Traffic [[thesis](#)]
Current Employment: Senior Software Engineer, Nokia, Ottawa, Canada
- 14. Tamer Beitelmal** – PhD, Dec 2016 [[Scholar](#)] [[LinkedIn](#)]
(co-supervisor: Dr. Sebastian Szyszkowicz)
The Cell Switch-Off Approach for Energy Efficient Cellular Networks [[thesis](#)]
Current Employment: Software Designer, March Networks, Ottawa
- 13. Rozita Rashtchi** – PhD, Jan 2016 [[Scholar](#)] [[LinkedIn](#)]
(co-supervisor: Dr. Ramy Gohary)
Joint Routing, Scheduling and Power Allocation in Generic Multihop Wireless Networks [[thesis](#)]
Current Employment: 4G/5G System Designer, Ericsson, Ottawa, Canada
- 12. Kevin Wen Luo** – PhD, Sep 2015 [[Scholar](#)] [[LinkedIn](#)]

(co-supervisor: Dr. Ramy Gohary)

Enhancing Rates in Relay Channels [[thesis](#)] [[slides](#)]

Current Employment: LTE Systems Designer, Ericsson, Ottawa, Canada

11. Alireza Sharifian – PhD, Sep 2014

[[Scholar](#)] [[LinkedIn](#)]

Utility-based Packet Scheduling and Resource Allocation Algorithms with Heterogeneous Traffic for Wireless OFDMA Networks [[thesis](#)]

10. Akram Bin Sediq – PhD, Aug 2013

[[Scholar](#)] [[LinkedIn](#)]

Towards Efficient and Fair Radio Resource Allocation Schemes for Interference-Limited Cellular Networks [[thesis](#)]

Current Employment: Senior Specialist – RAN Edge Analytics, Ericsson, Ottawa, Canada

9. Mahmudur Rahman – PhD, Jul 2011

[[Scholar](#)] [[LinkedIn](#)]

Dynamic Inter-Cell Interference Coordination in Cellular OFDMA Networks [[thesis](#)] [[slides](#)]

Current Employment: Expert Engineer, Innovation, Science and Economic Development Canada (ISED), Ottawa, Canada

8. Mohamed Rashad Salem – PhD, Jan 2011

[[Scholar](#)] [[LinkedIn](#)]

(co-supervisor: Prof. David Falconer)

Radio Resource Management in OFDMA-based Cellular Relay Networks [[thesis](#)] [[slides](#)]

Current Employment: Principal Engineer, Huawei, Ottawa, Canada

7. Sebastian Szyszkowicz – PhD, Jan 2011

[[Scholar](#)] [[LinkedIn](#)]

Interference from Large Wireless Networks under Correlated Shadowing [[thesis](#)] [[slides](#)]

Current Employment: Adjunct Research Professor, Systems and Computer Engineering, Carleton University

6. Houda Chafnaji – PhD, Telecom Bretagne, France, Nov 2010 [[Scholar](#)] [[LinkedIn](#)]

(co-supervisor: Prof. Samir Saoudi, Telecom Bretagne, France)

Advanced Hybrid-ARQ Receivers for Broadband MIMO Communications [[thesis](#)] [[slides](#)]

Current Employment: Associate Professor, INPT (Institut National des Postes et Telecommunications), Rabat, Morocco

5. Muhammad Aljuaid – PhD, Jul 2010

[[Scholar](#)] [[LinkedIn](#)]

Interference Characterization and Spectrum Sharing in Large Wireless Networks [[thesis](#)] [[slides](#)]

Current Employment: Saudi Aramco, Dhahran, Saudi Arabia

4. Saad Al-Ahmedi – PhD, Jul 2010

[[Scholar](#)] [[LinkedIn](#)]

Composite Fading Channel Modeling and Information Capacity of Distributed Antenna Architectures in Cellular Networks [[thesis](#)]

Current Employment: [Associate Professor](#), Electrical Engineering, King Fahd University of Petroleum and Minerals (KFUPM), Saudi Arabia

3. Furuzan Atay Onat – PhD, Dec 2008

[[Scholar](#)] [[LinkedIn](#)]

Cooperative Diversity Relaying Techniques in Wireless Communication Networks [[thesis](#)]

2. John Boyer – PhD, Sep 2007

[[Scholar](#)] [[LinkedIn](#)]

(cosupervisor: Prof. David D. Falconer)

Cooperative Connectivity Models and Bounds for Wireless Relay Networks [[thesis](#)]

Current Employment: Chief Operating Officer, Blinks Ltd., Ottawa, Canada

- 1. Abdulkareem Adinoyi** – PhD, May 2006 [\[Scholar\]](#) [\[LinkedIn\]](#)
Multi-Antenna and Relaying Techniques in Wireless Communication Networks [\[thesis\]](#)
Current Employment: Senior Consultant, Saudi Telecom Company, Riyadh, Saudi Arabia
28. Nima Palizban – M.A.Sc., Aug 2017 [\[Scholar\]](#) [\[LinkedIn\]](#)
(cosupervisor: Dr. Sebastian Szyszkowicz)
Millimeter Wave Small Cell Network Planning for Outdoor Line-of-Sight Coverage
Current Employment: LTE Software Designer, Ericsson, Ottawa, Canada
27. Ziwen Zhao – M.A.Sc., Sep 2016 [\[Scholar\]](#) [\[LinkedIn\]](#)
(cosupervisor: Dr. Sebastian Szyszkowicz)
Spatial Clustering in Slotted ALOHA Two-Hop Random Access for Machine Type Communications
Current Employment: Software Development Engineer, AWS (Amazon Web Service), Vancouver, BC, Canada
26. Philip Reinhard Balogun – M.A.Sc., Jan 2016 [\[Scholar\]](#) [\[LinkedIn\]](#)
(co-supervisors: Prof. Ian Marsland and Dr. Ramy Gohary)
Multilevel Polar Codes for Grassmannian Signaling
Current Employment: Software Engineer, Ciena, Ottawa, Canada
25. Inan Korkmaz – M.A.Sc., May 2015 [\[Scholar\]](#) [\[LinkedIn\]](#)
Fast Demand Control in Smart Grid Communications with User-in-the-Loop (UIL) Method
Current Employment: Electrical Engineer, RidgeBlade Power Collective, Kingston, ON, Canada
24. Ziyang Wang – M.A.Sc., Sep 2014 [\[Scholar\]](#) [\[LinkedIn\]](#)
(co-supervisor: Prof. Marc St-Hilaire)
Resource Management in Wireless Cellular Networks with Heterogeneous Capacity Supply and Heterogeneous Traffic Demand (HetHetNets)
Current Employment: Senior Web Developer, Solace, Ericsson, Ottawa
23. Jing Dang – M.A.Sc., Sep 2013 [\[Scholar\]](#) [\[LinkedIn\]](#)
Distributed Multiple Access for the Uplink of Multi-Cell OFDMA Networks
Current Employment: Ericsson, Ottawa
22. Gencer Cili – M.A.Sc., Sep 2012 [\[Scholar\]](#) [\[LinkedIn\]](#)
(co-supervisor: Prof. Richard Yu)
Coordinated Multi-Point Transmission Aided Cell Switch Off Schemes for Energy Efficient Mobile Cellular Networks
Current Employment: Senior Engineering Manager, Product Analytics & Data Science, Apple, California, USA
21. Furkan Alaca – M.A.Sc., Aug 2012 [\[Scholar\]](#) [\[LinkedIn\]](#)
Current Employment: Assistant Professor, School of Computer Science, Queen's University, Canada
20. Talha Ahmad – M.A.Sc., Jul 2011 [\[Scholar\]](#) [\[LinkedIn\]](#)
Coordinated Multi-Point Transmission for Interference Mitigation in Cellular Distributed Antenna Systems
Current Employment: Software Development Manager, March Networks, Ottawa, Canada
19. Yaser Fouad – M.A.Sc., Jul 2011 [\[Scholar\]](#) [\[LinkedIn\]](#)
A Distributed Resource Block Assignment Scheme for Relay-Assisted Cellular Networks with Self-Organizing Terminal Relays
Current Employment: Staff Engineer, Samsung Electronics, Hillsboro, Oregon, USA

18. Arshdeep Singh Kahlon – M.A.Sc., Jul 2011 [Scholar] [[LinkedIn](#)]
(co-supervisor: Dr. Shalini Periyalwar)
Outage in Large Wireless Networks with Spectrum Sharing under Rayleigh Fading
17. Heba Eid – M.A.Sc., May 2011 [Scholar] [[LinkedIn](#)]
Inter-cell and Intra-cell Interference Coordination in a Cellular Network with Highly-Sectored Base Stations
Current Employer: Content Strategist, Magalix Corporation, Cairo, Egypt
16. Soumitra Dixit – M.A.Sc., Jan 2010 [Scholar] [[LinkedIn](#)]
(co-supervisor: Dr. Shalini Periyalwar)
A Distributed Framework with a Novel Pricing Model for Dynamic Spectrum Access for Secondary Users in Infrastructure based Wireless Networks
Current Employment: Engineer, Technical Expertise Center, Nokia, Ottawa, Canada
15. Akram S. Bin Sediq – M.A.Sc., Sep 2008 [[Scholar](#)] [[LinkedIn](#)]
Diversity Combining of Signals with Different Modulation Levels and Constellation Rearrangement in Cooperative Relay Networks
Current Employment: Senior Specialist – RAN Edge Analytics, Ericsson, Ottawa, Canada
14. Feroz Bokhari – M.A.Sc., Dec 2007 [Scholar] [[LinkedIn](#)]
(co-supervisor: Dr. William Wong, Communications Research Centre Canada)
Adaptive Token Bank Fair Queuing Scheduling in the Downlink of 4G Wireless Networks
Current Employment: Software QA Engineer, Amazon Lab126, Sunnyvale, California, USA
13. Sebastian S. Szyszkowicz – M.A.Sc., Jan 2007 [[Scholar](#)] [[LinkedIn](#)]
Interference in Cellular Networks: A Sum of Lognormals Modeling
Current Employment: Adjunct Research Professor, Systems and Computer Engineering, Carleton University
12. Omer Mubarek - M.A.Sc., Jan 2005 [Scholar] [[LinkedIn](#)]
(co-supervisor: Dr. Shalini Periyalwar, Nortel Networks)
Dynamic Frequency Hopping in Cellular Fixed Relay Networks
Current Employment: Principal Architect, HERE, Chicago, USA
11. Hakan Bolukbasi - M.A.Sc., Jan 2005 [Scholar] [[LinkedIn](#)]
(co-supervisor: Prof. David D. Falconer)
Feasibility of Providing Ubiquitous High Data Rate Coverage in Cellular Fixed Relay Networks
Current Employment: Senior Digital Design Engineer, Aselsan, Ankara, Turkey
10. Adrian Florea - M.A.Sc., Dec 2004 [Scholar] [[LinkedIn](#)]
On the Efficiency of Using Multiple Hops in Fixed Relay based Wireless Networks
Current Employment: Research Director, Communications Research Centre Canada, Ottawa, Canada
9. Mahmudur Rahman - M.A.Sc., May 2004 [[Scholar](#)] [[LinkedIn](#)]
(co-supervisor: Prof. Samy Mahmoud)
Adaptive Modulation & Coding-Based Packet Scheduling with Inter-Base Station Coordination in Fixed Cellular Broadband Wireless Networks
Current Employment: Expert Engineer, Innovation, Science and Economic Development Canada (ISED), Ottawa, Canada
8. Shoaev Hares - M.A.Sc., Jan 2004 [Scholar] [[LinkedIn](#)]

(co-supervisor: Dr. B. Hashem, Saudi Telecom Company)

Diversity and Adaptive Modulation & Coding Aware Routing in WLAN Multihop Networks with Centrally Scheduled Multiple Access

Current Employment: Software Engineer, Microsoft, Seattle, USA

7. Donald Walsh - M.A.Sc., Jan 2004 [Scholar] [[LinkedIn](#)]

Two-Hop Relaying in CDMA Networks Using the Unlicensed Bands

6. Imran Abdul Bari Syed - M.A.Sc., Dec 2003 [Scholar] [[LinkedIn](#)]

(co-supervisor: Prof. Mohamed H. Ahmed, Memorial University)

Performance Improvements through the Mesh Architecture in TDMA based Broadband Fixed Cellular Networks

Current Employment: Senior NPI and Outsourced Manufacturing Engineer, Blackberry, Waterloo, Canada

5. Huining (Vivien) Hu - M.A.Sc., Sep 2003 [Scholar] [[LinkedIn](#)]

Performance Analysis of Cellular Networks with Digital Fixed Relays

Current Employment: Electrical Engineer, EPMC Inc., Virginia, USA

4. Ehab Armanious - M.A.Sc., Jan 2003 [Scholar] [[LinkedIn](#)]

(co-supervisor: Prof. David D. Falconer)

Link Adaptation Techniques for Fixed Broadband Wireless Access Systems

3. Van Sreng - M.A.Sc., Jan 2002 [Scholar] [[LinkedIn](#)]

(co-supervisor: Prof. David D. Falconer)

Capacity Enhancement through Two-Hop Relaying in Cellular Radio Systems

Current Employment: Senior Staff RF HW Designer, NIO, San Jose, CA, USA

2. John Boyer - M.A.Sc., 2001 [Scholar] [[LinkedIn](#)]

(co-supervisor: Prof. David D. Falconer)

Multihop Wireless Communications Channels

Current Employment: Chief Operating Officer, Bluink Ltd., Ottawa, Canada

1. Salem Hamad Salamah - M.A.Sc., 2000 [Scholar] [[LinkedIn](#)]

(co-supervisor: Prof. David D. Falconer)

Transmit Power Control in Fixed Cellular Broadband Wireless Systems

Current Position: Lecturer, College of Technological Studies, PAAET, Kuwait

Undergraduate (4th Year) Project Students (48; 15 projects)

2021-2022

3D Imaging with LTE-enabled UAV

Nour Ayoub, Mohamed Gad, Ali Magdy Abdulmoemen, Mohamed Hany Hamed

2020-2021

First Responder Drone for Incident Assessment and Active Response

Jad Choufani, Hassan Dahrouj, Adel Agha, Mohammed Tukur Jaji

2019-2020

BVLOS Control of an Unmanned Aerial Vehicle by LTE Network for Rapid-Response Emergency Medical Assistance

Haoyang Guo, Hassan Yusuf, Ian Harvey

2017-2018

LTE-Controlled Drone
Liam Brown, Otonye Iyalla

2016-2017

LTE-Controlled Drone
Stephane Ernst, Ryan Billard, Kaan Sozan

2008-2009

Multihop Sensor Networks
Farhan Zaman, Asim Ahmed, Farhan Haq

2005-2006

Multihop Communications for Next-Generation Wireless Cellular Networks
Karunathas Balasubramaniam, Kabo Kgwarae, Tebatso Nage, Theresa Nguyen, Xin Zhang, Jiesheng Zhu

2003-2004

Multihop Communications for Future Wireless Cellular Networks
Kurt Yensen, Shingayi Bamhare

2002-2003

Intelligent Relaying Technologies in Future Wireless Cellular Networks
Jacek Dmochowski, Rob Hamelin, Thayaparana Kumarasamy

2001-2002

Relaying Technologies in Future Wireless Cellular Networks
Araya Abebe, Ahmed Al-Asaad, Ela Beres, Kasinathan Sivaratnam

2000-2001

Transmit Power Control in CDMA Multimedia Systems
Basseyy Akan, Soheer Choudhry, Shoaev Hares, Mohammed Treif, Kaleswaran Visuvalingam, Donald Walsh

1999-2000

Propagation Measurements for Indoor Wireless Communication
W. Santhiapillai

Power Control with CDMA Distributed Antenna Systems
R. Rajaratnam, M. Mahalingam, V. Thangarajah

1998-1999

Power Control with CDMA Distributed Antenna Systems
A. Tharmalingam, S. Thirugnanasampanther

Indoor Radio Coverage Analysis Using Distributed Antenna Systems
S. Thiagarajah, S. Rajagopal