# KEYNOTES, INVITED TALKS & SEMINARS, TUTORIALS – since 2004

146. [Wireless Access Architecture 2020-2040: The Sky's The Limit](https://infocom.info/workshops/track/DroneCom)

Keynote

The International Workshop on Drone-Assisted Smart Backhaul Solutions for 5G and Beyond (DroneCom) in conjunction with IEEE Infocom 2020

Virtual Event (Toronto, Canada), 06 July 2020

145. Wireless Access Architecture: The Next 20 + Years

Invited Talk

WWRF (Wireless World Research Forum) Meeting No. 44

Virtual Event (Copenhagen, Denmark), 01 July 2020

144. Current Research Status and Open Issues on HAPS/UAV

Invited Seminar

Huawei Future Wireless Research Workshop

Virtual Event (Ottawa, Canada), 25 June 2020

143. Wireless Networks: A Look into the Next 20 Years

5G Open Talks Platform, Scientific and Technological Research Council of Turkey (TUBITAK)

Virtual Event (Istanbul, Turkey), 17 June 2020

142. Non-Terrestrial Networks (NTN) for 6G Ultra-Connectivity

Keynote

3rd Workshop on Ultra-high speed, Low latency and Massive Communication for Futuristic 6G Networks (ULMC6GN) collocated with IEEE International Conference on Communications (ICC) 2020

Virtual Event (Dublin, Ireland), 11 June 2020

141. Non-Terrestrial Networks (NTN): The Next 20 Years

Carleton University Online Wireless Seminars

Virtual Event (Ottawa, Ontario, Canada), 04 June 2020

140. [Wireless Access Architecture: The Next 20 Years](https://blackseacom2020.ieee-blackseacom.org/program/keynotes/)

Keynote

IEEE International Black Sea Conference on Communications and Networking (BlackSeaCom)

Virtual Event (Odessa, Ukraine), 28 May 2020

139. AI-Driven Personalization in Wireless Networks – Opportunities and Concerns

Invited Seminar

Office of the Privacy Commissioner Canada

Gatineau, Quebec, Canada, 26 February 2020

138. [Artificial Intelligence Enabled Integrated Aerial/Terrestrial Wireless Access Networks for 2030s](https://globecom2019.ieee-globecom.org/program/tutorials#tut08)

Half-day Tutorial (with Dr. Haris Gacanin)

IEEE Global Communications Conference (Globecom) 2019

Waikoloa, HI, USA, 09 December 2019

137. [Wireless Access Architecture: The Next 20+ Years](https://events.rochester.edu/event/wireless_access_architecture_the_next_20_years#.XerJEZNKhGo)

Invited Seminar

Department of Electrical and Computer Engineering, University of Rochester

Rochester, New York, USA, 04 December 2019

136. Big Data and AI-driven Framework to Enable Personalization in Wireless Networks

Invited Speaker

[Ottawa Artificial Intelligence Alliance Second Annual Workshop](https://sites.google.com/view/ottawaaialliance/2019-program)

National Research Council Canada (NRC), Ottawa, Ontario, Canada, 28 November 2019

135. Digital 2030: The Future of Artificial Intelligence Panel

Panelist

Royal Society of Canada COEE (Celebration of Excellence and Engagement) 2019 Symposium

Fairmont Chateau Laurier Hotel, Ottawa, Ontario, Canada, 21 November 2019

134. Wireless Access Architecture: The Next 20 Years

Seminar

Carleton Wireless Seminar Series

Carleton University, Ottawa, Ontario, Canada, 15 November 2019

133. Wireless Access Architecture: New Horizons

Invited Seminar

Huawei Future Wireless Research Workshop

Stittsville, Ontario, Canada, 13 November 2019

132. [Predictions for the 6G Networks of 2030s based on the 4G and 5G Experience](http://drmoe.org/sheridan/files/IEEE5GSummit.pdf)

Keynote Speech

The 57th IEEE 5G Summit – Sheridan

Brampton, Ontario, Canada, 22 October 2019

131. [A Disruptive Wireless Access Architecture for 6G Networks of 2030s](https://attend.ieee.org/wisee-2019/wp-content/uploads/sites/77/2019/10/IGASC_2019_Program.pdf)

Keynote Speech, Integrated Ground-Air-Space Borne Communications (IGASC) Workshop

IEEE International Conference on Wireless for Space and Extreme Environments (WiSEE) 2019

Ottawa, Ontario, Canada, 17 October 2019

130. [360o View of Innovative Mission Critical Mobile Applications APIs](http://pimrc2019.ieee-pimrc.org/program/panels/#p05)

Panel Chair

IEEE PIMRC 2019

Istanbul, Turkey, 10 September 2019

129. [Views on 6G Networks of the 2030s](http://pimrc2019.ieee-pimrc.org/program/panels/#p02)

Panel Chair

IEEE PIMRC 2019

Istanbul, Turkey, 09 September 2019

128. [A Disruptive Wireless Access Architecture for 6G Networks of 2030s](http://www.5gsummit.org/toronto-2019/)

Keynote Speech

IEEE 5G Toronto Summit 2019

Toronto, Ontario, Canada, 09 August 2019

127. [Integrated Aerial/Terrestrial 6G Networks for 2030s](https://icc2019.ieee-icc.org/program/tutorials#tut-25)

Half-day Tutorial

IEEE International Conference on Communications (ICC) 2019

Shanghai, China, 24 May 2019

126. DDINS Workshop Panel at IEEE ICC 2019

Panelist

Shanghai, China, 20 May 2019

125. [AI & Data Analytics in Intelligent, Adaptive, and Efficient 6G Networks of 2030s](https://icc2019.ieee-icc.org/workshop/w15-first-international-workshop-data-driven-intelligence-networks-and-systems-ddins-1)

Keynote Speech

1st International Workshop on Data Driven Intelligence for Networks and Systems (DDINS) at IEEE ICC 2019

Shanghai, China, 20 May 2019

124. Thoughts on Beyond 5G

Invited Seminar

Turkcell Technology

Istanbul, Turkey, 26 April 2019

123. [Integrated Space/Aerial/Terrestrial 6G Networks for Ubiquitous 3D Super-Connectivity in 2030s](http://siu2019.gtu.edu.tr/konusmacilar/)

Keynote Speech

27th Signal Processing and Communications Applications Conference (SIU) 2019

Sivas, Turkey, 24 April 2019

122. [Integrated Aerial/Terrestrial 6G Networks for Ubiquitous 3D Super-Connectivity in 2030s](https://wcnc2019.ieee-wcnc.org/tutorials#tuto8)

Half-day Tutorial

IEEE Wireless Communications & Networking Conference (WCNC) 2019

Marrakech, Morocco, 15 April 2019

121. Personalized Application Delivery in Intelligent, Adaptive, and Efficient 6G Networks

Panel: What will be on the Agenda for Data Day 16.0?

[Carleton University Data Day 6.0](https://carleton.ca/cuids/wp-content/uploads/19-006-Computer-Science-Data-Day-6-program-008.pdf)

Ottawa, Ontario, Canada, 26 March 2019

120. Integrated Space/Aerial/Terrestrial 6G Networks in 2030s for Ubiquitous 3D Super-Connectivity

Invited Seminar

MDA Corporation

Montreal, Quebec, Canada, 26 February 2019

119. Connected and Autonomous Aerial Networks in 2030s for Ubiquitous 3D Super-Connectivity

Carleton 6G Workshops #2: Connected and Autonomous Aerial Networks

Ottawa, Ontario, Canada, 07 February 2019

118. [Integrated Aerial/Terrestrial 6G Networks for Ubiquitous 3D Super-Connectivity in 2030s](https://ccnc2019.ieee-ccnc.org/program/tutorials#tut7)

Half-day Tutorial

IEEE Consumer Communications & Networking Conference (CCNC) 2019

Las Vegas, Nevada, USA, 14 January 2019

117. Thoughts on 6G

6G-PHY-Fest Workshop

Carleton University

Ottawa, Canada, 18 December 2018

116. [Airborne Communication Networks](http://globecom2018.ieee-globecom.org/workshop/ws-08-wi-uav-wireless-networking-and-control-unmanned-autonomous-vehicles)

Keynote Speech

IEEE Globecom 2018 Wi-UAV – 9th International Workshop on Wireless Networking and Control for Unmanned Autonomous Vehicles

Abu Dhabi, UAE, 09 December 2018

115. [Integrated Terrestrial/Aerial 6G Networks for Ubiquitous 3D Super-Connectivity in 2030s](https://events.vtools.ieee.org/m/183175)

[IEEE Distinguished Lecture](https://www.linkedin.com/feed/update/urn:li:activity:6478828946929569792/)

IEEE Communications Society (ComSoc) Toronto Chapter

University of Toronto

Toronto, Ontario, Canada, 06 December 2018

114. [6G Networks for Ubiquitous Super-Connectivity](https://www.evensi.com/6g-networks-ubiquitous-super-connectivity/278666195)

IEEE Distinguished Lecture

IEEE Communications Society (ComSoc) Jordan Chapter

Princess Sumaya University of Technology (PSUT)

Amman, Jordan, 21 November 2018

113. 6G Networks for Ubiquitous Super-Connectivity [[Part1](https://web.facebook.com/Jordan.Engineers.Association/videos/326498258175841)] [[Part2](https://web.facebook.com/Jordan.Engineers.Association/videos/2004699443156247)]

IEEE Distinguished Lecture

IEEE Communications Society (ComSoc) Jordan Chapter

Jordan Engineers Association (JEA)

Amman, Jordan, 21 November 2018

112. 6G Networks for Ubiquitous Super-Connectivity

IEEE Distinguished Lecture

IEEE Communications Society (ComSoc) Jordan Chapter

Jordan University of Science and Technology (JUST)

Irbid, Jordan, 21 November 2018

111. Research and Innovation in the Information Age Panel

Panelist

The First Annual IEEE Jordan ComSoc Congress (JCSC) 2018

Amman, Jordan, 20 November 2018

110. [6G Networks for Ubiquitous Super-Connectivity](https://www.facebook.com/events/562257010892096/)

IEEE Distinguished Lecture

The First Annual IEEE Jordan ComSoc Congress (JCSC) 2018

Amman, Jordan, 20 November 2018

109. [Integrated Terrestrial/Aerial 6G Networks for Ubiquitous 3D Super-Connectivity in 2030s](http://sites.ieee.org/kingston/home/)

IEEE Distinguished Lecture

IEEE Communications Society (ComSoc) Kingston Chapter

Queen’s University

Kingston, Ontario, Canada, 13 November 2018

108. Integrated Terrestrial/Non-Terrestrial 6G Networks for Ubiquitous 3D Super-Connectivity

Keynote Speech

[5G Summit R&D Russia](http://5gsummit.ru/#speakers)

[The 10th International Congress on Ultra Modern Telecommunications and Control Systems](https://www.icumt.info/2018/keynotes)

Moscow, Russia, 05 November 2018

107. 5G Wireless and Beyond Panel

Panel speaker

21st ACM International Conference on Modeling, Analysis and Simulation of Wireless and Mobile Systems

Montreal, Canada, 30 October 2018

106. Integrated Terrestrial/Non-Terrestrial 6G Networks for Ubiquitous 3D Super-Connectivity

Keynote Speaker

21st ACM International Conference on Modeling, Analysis and Simulation of Wireless and Mobile Systems

Montreal, Canada, 30 October 2018

105. Integrated Terrestrial/Non-Terrestrial 6G Networks for Ubiquitous 3D Super-Connectivity

Invited Seminar (videoconference)

Intel, USA

02 October 2018

104. 5 Paradigms in ICT

Wireless Seminar Series

Carleton University

Ottawa, Canada, 23 July 2018

103. [Integrated Terrestrial/Non-Terrestrial 6G Networks for Ubiquitous 3D Super-Connectivity](https://events.vtools.ieee.org/m/174108)

IEEE Distinguished Lecture

IEEE Communications Society (ComSoc) Australian Capital Territory (ACT) Chapter

Australian National University

Canberra, ACT, Australia, 09 July 2018

102. Integrated Terrestrial/Non-Terrestrial Super Networks of the Future for Ubiquitous High Rate Connectivity

Huawei Wireless Research Advisory Board Inaugural Meeting

Ottawa, Canada, 01 May 2018

101. Introduction to Research & Publishing: Part II

Wireless Seminar Series

Carleton University

Ottawa, Canada, 11 April 2018

100. Autonomous & Connected Vehicles: C-V2X: 4G 🡪 5G 🡪 6G

Panelist @ Charting AV/CV Technology Opportunities and Challenges Panel

Ottawa AV Summit 2018

Ottawa, Canada, 04 April 2018

99. Introduction to Research & Publishing: Part I

Wireless Seminar Series

Carleton University

Ottawa, Canada, 21 March 2018

98. Non-Terrestrial Networks

Invited Seminar

Communications Research Centre Canada

Ottawa, Canada, 27 February 2018

97. CAN-UAVs 2030 – Connected, Autonomous, Networked UAVs towards 2030s

4th Carleton Informal Workshop on Non-Terrestrial Networks

Ottawa, Canada, 20 December 2017

96. [5G and Beyond Wireless Networks: Emerging Concepts and Technologies](http://globecom2017.ieee-globecom.org/content/tutorials#Tut11)

Half-day Tutorial

IEEE Globecom 2017

Singapore, 04 December 2017

95. [5G Wireless Technologies](https://carleton.ca/engineering-design/community/ingenious-talks/)

Carleton University Faculty of Engineering and Design Ingenious Talks

Ottawa, Canada, 01 November 2017

94. [Ultra-Agile Infrastructure for Ultra-Fast Connectivity](http://ieeevtc.org/vtc2017fall/wkshp_fprogs/vtc2017fall_workshops_W1.pdf)

Keynote Speech

IEEE VTC2017-Fall Workshop on Next-Generation Backhaul/Fronthaul Networks (IEEE BackNets 2017)

Toronto, Canada, 24 September 2017

93. [Ultra-Agile Infrastructure for Ultra-Fast Connectivity](http://icc2017.ieee-icc.org/workshop/ieee-icc2017-workshop-flexible-networks-flexnets/program)

Keynote Speech

IEEE ICC 2017 Workshop on Flexible Networks (FlexNets)

Paris, France, 21 May 2017

92. [5G is Just Around the Corner; So What is Next?](http://www.siu2017.org/en/INVITED-SPEAKERS.html)

Keynote Speech

25th Signal Processing and Communications Applications Conference (SIU) 2017

Antalya, Turkey, 17 May 2017

91. 5G Panel

Panel Speaker

IEEE 5G Summit Casablanca

Casablanca, Morocco, 11 May 2017

90. [5G is Just Around the Corner; So What is Next?](http://www.unet-conf.org/Halim.php)

Keynote Speech

The Third International Symposium on Ubiquitous Networking (UNET) 2017

Casablanca, Morocco, 10 May 2017

89. [IMT-2020 Evaluation Process](http://www.wwrf37.ch/tl_files/Themes/wwrf37/Presentations/WWRF37_speakers_Agenda_sessionsMW_1.0.pdf)

Invited Talk

WWRF (World Wireless Research Forum) Meeting #37

Kassel, Germany, 06 October 2016

88. [The IoE Revolution and 5G+](http://ieeevtc.org/vtc2016fall/vtc2016fall_workshops_W1.pdf)

Invited Talk

WWRF Workshop on Wireless Technologies & Applications for the Internet of Everything

IEEE Vehicular Technology Conference (VTC) 2016-Fall)

Montreal, Quebec, Canada, 19 September 2016

87. A Realist’s Views on 5G and Beyond

Invited Talk

5G Core Network Summit

Ankara, Turkey, 15 June 2016

86. [Emerging Concepts and Technologies towards 5G+ Wireless Networks](http://icc2016.ieee-icc.org/content/tutorials)

Half-day Tutorial

IEEE International Conference on Communications (ICC) 2016

Kuala Lumpur, Malaysia, 27 May 2016

85. [Emerging Concepts and Technologies towards 5G+ Wireless Networks](http://ieeemy.org/mysection/?p=3178)

IEEE Distinguished Lecture

IEEE Malaysia ComSoc/VTS Joint Chapter

Universiti Putra Malaysia

Serdang, Malaysia, 27 May 2016

84. 5G and Beyond Wireless Networks: Emerging Concepts and Technologies

Invited Seminar

Spectrum, Information Technologies and Telecommunications Sector (SITT)

Innovation, Science and Economic Development Canada

Ottawa, ON, Canada, 19 April 2016

83. From Shannon’s Information Theory to the Information Age

[The Shannon Conference](ShannonConference2016.pdf) ([Claude Shannon Centenary 2016](https://www.eventbrite.ca/e/the-shannon-conference-registration-23488128625?utm-medium=discovery&utm-campaign=social&utm-content=attendeeshare&aff=esfb&utm-source=fb&utm-term=listing))

Ottawa, ON, Canada, 15 April 2016

82. Roadmap to 5G and Beyond: Global Perspectives

Panel Talk

Executive Panel at IEEE Wireless Communications and Networking Conference (WCNC) 2016

Doha, Qatar, 04 April 2016

81. [Promising PHY Research Directions for 5G+ Wireless](http://shmu04.wix.com/novelmacwaveform?_ga=1.134168590.1482052011.1441967035#!customer-care/cx7t)

Keynote Speech

IEEE WCNC 2016 Workshop on Novel Waveform and MAC Design for 5G

Doha, Qatar, 03 April 2016

80. [Emerging Concepts and Technologies towards 5G+ Wireless Networks](http://wcnc2016.ieee-wcnc.org/program/tutorials)

Half-day Tutorial

IEEE Wireless Communications and Networking Conference (WCNC)

Doha, Qatar, 03 April 2016

79. Promising Research Directions for 5G+ Wireless Networks

Tampere University of Technology, Invited Seminar

Tampere, Finland, 20 February 2016

78. [Emerging Concepts and Technologies towards 5G+ Wireless Networks](http://globecom2015.ieee-globecom.org/program/industry-program/tutorials#TIF-6)

Half-day Industry Tutorial

IEEE Global Communications Conference (Globecom) 2015

San Diego, CA, USA, 10 December 2015

77. The Wireless HetHetNets Framework and Some Remarks about 4G, 5G, and 6G

Panel Talk

IEEE 5G Summit Toronto

Toronto, ON, Canada, 14 November 2015

76. [The HetHetNets Framework for 5G+ Wireless Networks: Highly Heterogeneous Traffic, Unprecedented Congestion, and Novel Solutions](http://www.wwrf35.ch/tl_files/Themes/wwrf35/Presentations/Meeting_Program_WWRF35_061015_7.pdf)

Invited Talk

Wireless World Research Forum, 35th Meeting (WWRF35)

Copenhagen, Denmark, 16 October 2015

75. [5G+ Wireless Networks: Roadmap and Enabling Technologies](http://www.ieeevtc.org/vtc2015fall/tutorials.php#tut_6)

Half-day tutorial

IEEE Vehicular Technology Conference (VTC) Fall-2015

Boston, MA, USA, 06 September 2015

74. 5G+ Wireless Networks: Roadmap and Enabling Technologies

Invited Seminar

Bilkent University

Ankara, Turkey, 13 July 2015

73. [5G+ Wireless Networks: Roadmap and Enabling Technologies](http://www.ee.hacettepe.edu.tr/?lang=e&newsid=401)

IEEE Distinguished Lecture

IEEE Communications Society Turkey Chapter

Hacettepe University

Ankara, Turkey, 30 June 2015

72. [Emerging Concepts and Technologies towards 5G Wireless Networks](http://icc2015.ieee-icc.org/content/tutorials)

Half-day Tutorial

IEEE International Conference on Communications (ICC) 2015

London, UK, 12 June 2015

71. [Some Emerging Concepts and Technologies on 5G+ Wireless Networks](https://meetings.vtools.ieee.org/m/34802)

IEEE Distinguished Lecture

IEEE Communications Society (ComSoc) Montreal Chapter

Montreal, Quebec, Canada, 03 June 2015

70. The 5G+ HetHetNets Paradigm: Spatially Heterogeneous Traffic in Heterogeneous Cognitive Networks

Wireless Research Group Seminar

Carleton University

Ottawa, Ontario, Canada, 25 May 2015

69. 5G Wireless

Foxconn EBO Visit to Carleton University

Ottawa, Ontario, Canada, 05 May 2015

68. [The 5G+ HetHetNets Paradigm: Spatially Heterogeneous Traffic in Heterogeneous Cognitive Networks](http://crowncom.org/2015/show/keynotes)

Keynote Speech

10th International Conference on Cognitive Radio Oriented Wireless Networks (CROWNCOM)

Doha, Qatar, 22 April 2015

67. [HetHetNets: Spatially Heterogeneous Traffic in Heterogeneous 5G+ Wireless Networks](http://www.argela.com/5g/)

Keynote Speech

Argela Workshop on “SDN, NFV, Cloud RAN & Other Enabling Technologies on the Path towards 5G”

Istanbul, Turkey, 31 March 2015

66. HetHetNets: Spatially Heterogeneous Traffic in Heterogeneous Wireless Networks

Invited Seminar

Huawei Canada R&D Centre

Ottawa, Ontario, Canada, 05 March 2015

65. [HetHetNets: Spatially Heterogeneous Traffic in Heterogeneous Wireless Networks](http://www.mobile.ecei.tohoku.ac.jp/COE/workshop_2015_02/abstruct11.html)

Invited Talk

NICT Japan-US Network Opportunity (JUNO) Workshop: Future Energy- and Spectral-Efficient Ultra-Dense Networks

Tohoku University

Sendai, Japan, 24 February 2015

64. 5G+ Wireless Networks: Some Emerging Concepts and Technologies

Invited Seminar

King Abdullah University of Science and Technology

Thuwal, Makkah Province, Saudi Arabia, 03 February 2015

63. Emerging Concepts and Technologies towards 5G Wireless Networks

Invited Seminar

Allen Vanguard

Ottawa, Ontario, Canada, 21 January 2015

62. [Emerging Concepts and Technologies towards 5G Wireless Networks](https://meetings.vtools.ieee.org/m/30661)

IEEE Distinguished Lecture

IEEE Vehicular Technology, Communications and Information Theory, and Signal Processing Societies Montreal Chapter

McGill University

Montreal, Quebec, Canada, 18 December 2014

61. [Emerging Concepts and Technologies towards 5G Wireless Networks](http://globecom2014.ieee-globecom.org/tutorials.html#.VhlETPlVhBd)

Half-day Tutorial

IEEE Global Communications Conference (Globecom) 2014

Austin, Texas, USA, 12 December 2014

60. [Emerging Concepts and Technologies towards 5G Wireless Networks](http://sites.ieee.org/kingston/2014/03/27/emerging-concepts-technologies-towards-5g-wireless-networks/)

IEEE Distinguished Lecture

IEEE Communications Society Kingston Section

Queen’s University

Kingston, Ontario, Canada, 27 March 2014

59. Towards 5G Networks

Keynote Speech

3rd Defence, Security, and Information Technologies Inter-Industry Cooperation Conference

Istanbul, Turkey, 06 March 2014

58. [Emerging Concepts and Technologies for 5G Wireless Networks](http://chapters.comsoc.org/vancouver/24Feb2014.html)

IEEE Distinguished Lecture

IEEE Vehicular Technology Society (VTS) Vancouver Chapter

University of British Columbia

Vancouver, BC, Canada, 24 February 2014

57. [Moving Forward in Wireless: Emerging Concepts & Technologies for Beyond-2020 Cellular Networks](http://globecom2013.ieee-globecom.org/tutorials.html#.VhlEvflVhBc)

Half-day tutorial

IEEE Global Communications Conference (Globecom) 2013

**Atlanta, Georgia, USA, 13 December 2013**

56. A Fresh Look into a Classical Topic: Signal Constellation Design in Advanced Wireless Network

Architectures

Invited Talk

Huawei 5G Workshop

Ottawa, Canada, 14 November 2013

1. Emerging Concepts and Technologies for 5G Wireless Networks

Invited Talk

AveaLabs Innovation Days Seminar

Istanbul, Turkey, 25 July 2013

1. [Emerging Concepts and Technologies for 5G Wireless Networks](http://www.ee.hacettepe.edu.tr/?lang=e&newsid=329)

Invited Seminar

Hacettepe University

Ankara, Turkey, 24 July 2013

1. [Moving Forward in Wireless: Emerging Concepts & Technologies for Beyond-2020 Cellular Networks](http://icc2013.ieee-icc.org/programTutorials.html)

Half-day Tutorial

IEEE International Conference on Communications (ICC) 2013

**Budapest, Hungary, 13 June 2013**

1. **Moving Forward in Wireless: Emerging Concepts & Technologies for Beyond-2020 Cellular Networks**

IEEE Distinguished Lecture

IEEE Communications Society (ComSoc) Kitchener-Waterloo Chapter

University of Waterloo

Waterloo, Ontario, Canada, 03 May 2013

1. Moving Forward in Wireless: Emerging Concepts & Technologies for Beyond-2020 Cellular Networks

Invited Seminar

Defence Research and Development Canada (DRDC)

Ottawa, 25 April 2013

1. [Moving Forward in Wireless: Emerging Concepts & Technologies for Beyond-2020 Cellular Networks](http://foie.ece.cornell.edu/isn/yanikomeroglu.pdf)

Cornell University Information Systems and Networks Invited Lecture

Ithaca, New York, USA, 03 April 2013

1. Important Problems and Some Thoughts Towards Their Solutions in Beyond-2020 Wireless Networks

Invited Seminar

Telus, Technology Strategy and Operations

Toronto, Ontario, Canada, 28 February 2013

1. Moving Forward in Cellular: 5G Networks

Invited Seminar

Telus Technology Summit 2013

Toronto, Ontario, Canada, 28 February 2013

1. Emerging Research Direction in Wireless

Invited Seminar

Huawei Canada R&D Centre

Ottawa, Ontario, Canada, 15 February 2013

1. Important Problems and Some Thoughts Towards Their Solutions in Beyond-2020 Wireless Networks: Radio Access Network Architectures, Layer-1, and Layer-2

Invited Seminar

Research In Motion, Advanced Technology Group

Ottawa, Ontario, Canada, 13 December 2012

1. Important Problems and Some Thoughts Towards Their Solutions in Beyond-2020 Wireless Networks: Radio Access Network Architectures, Layer-1, and Layer-2

Invited Talk

Wireless World Research Forum Meeting 29 (WWRF29), Wireless World 2020 Workshop

Berlin, Germany, 24 October 2012

44. The WINNER Experience

Invited Talk

ERA-CAN (European Research Area & Canada) Framework Program 7, Info Session

Carleton University

Ottawa, Ontario, Canada, 06 November 2012

1. [Moving Towards 5th Generation Wireless Cellular Networks: Emerging Concepts and Trends](http://avestia.com/ICECS2012_Proceedings/keynote_speakers.html)

Keynote Speech

International Conference on Electrical and Computer Systems (ICECS), Keynote Speech

Ottawa, Ontario, Canada, 22 August 2012

1. Important Problems and Some Thoughts Towards Their Solutions in Beyond-2020 Wireless Networks: Radio Access Network Architectures, Layer-1, and Layer-2

Invited Talk

Huawei University Day Workshop

Huawei Canada Research Centre

Ottawa, Ontario, Canada, 28 August 2012

1. Moving Forward in Cellular: Emerging Concepts and Technologies for Beyond 4G Networks

Invited Seminar

Istanbul Technical University, Electronics & Communications Engineering Department

Istanbul, Turkey, 10 July 2012

1. Tips to Graduate Students:

Conducting Quality Research and On the Art and Science of Publishing in Scholarly Periodicals

Invited Seminar

Istanbul Technical University, Electronics & Communications Engineering Department

Istanbul, Turkey, 10 July 2012

1. Cooperation: A Key Feature of Oncoming Cellular Systems

Keynote Speech

Future Networks & Mobile Summit 2012, IC1004 Cooperative Radio Communications Workshop

Berlin, Germany, 04 July 2012

1. Moving Forward in Cellular: Emerging Concepts and Technologies for Beyond 4G Networks

Invited Seminar

Polytechnic University of Valencia, Institute of Telecommunications and Multimedia Applications (iTEAM)

Valencia, Spain, 31 May 2012

1. Tips to Graduate Students:

Conducting Quality Research and On the Art and Science of Publishing in Scholarly Periodicals

Invited Seminar

Polytechnic University of Valencia, Institute of Telecommunications and Multimedia Applications (iTEAM)

Valencia, Spain, 31 May 2012

1. Interdisciplinary Research in Engineering:

Its Importance, Mechanisms to Facilitate it, and its Impact on Engineering Education

Invited Seminars

TOBB University of Economy and Technology

Ankara, Turkey, 23 May 2012

1. Tips to Graduate Students:

Conducting Quality Research and On the Art and Science of Publishing in Scholarly Periodicals

Invited Seminars

King Saud University (KSU), Department of Electrical Engineering

Riyadh, Saudi Arabia, 15 May 2012

1. Moving Forward in Cellular: Emerging Concepts and Technologies for Beyond 4G Networks

Invited Seminars

King Saud University (KSU), Department of Electrical Engineering

Riyadh, Saudi Arabia, 14 May 2012

1. Moving Forward in Cellular: Emerging Concepts and Technologies for Beyond 4G Networks

Invited Seminars

Saudi Telecom Society

Riyadh, Saudi Arabia, 14 May 2012

1. 4G and Beyond-4G Wireless Networks

2-Day Short Course

Saudi Telecom Company (STC)

Riyadh, Saudi Arabia, 12 & 13 May 2012

1. Moving Forward in Cellular: Emerging Concepts and Technologies for Beyond 4G Networks

Invited Seminar

King Fahd University of Petroleum & Minerals (KFUPM), Department of Electrical Engineering

Dhahran, Saudi Arabia, 09 May 2012

1. Tips to Graduate Students:

Conducting Quality Research and On the Art and Science of Publishing in Scholarly Periodicals

Invited Seminar

King Fahd University of Petroleum & Minerals (KFUPM), Department of Electrical Engineering

Dhahran, Saudi Arabia, 09 May 2012

1. Interdisciplinary Research in Engineering:

Its Importance, Mechanisms to Facilitate it, and its Impact on Engineering Education

Panel Talk

The 5th Engineering and Technology Symposium

Cankaya University

Ankara, Turkey, 26 April 2012

1. Moving Towards 5th Generation Wireless Cellular Networks: Emerging Concepts and Trends

Tutorial

20th IEEE Signal Processing and Communications Applications Conference

Fethiye, Mugla, Turkey, 18 April 2012

1. On the Art and Science of Publishing in Scholarly Periodicals: Tips to Graduate Students

Invited Seminar

TOBB University of Economy and Technology

Ankara, Turkey, 15 February 2012

1. Emerging Concepts and Trends in Wireless Communications Technologies and Education

Invited Talk

Aselsan Communications Technologies Workshop (Aselsan Haberlesme ve Bilgi Teknolojileri Calistayi)

Ankara, Turkey, 13–14 October 2011

RECORDS NOT AVAILABLE: May – October 2011

1. Emerging Concepts and Technologies for Beyond-4G Wireless Cellular Networks for Broadband Connectivity

Invited Talk

IEEE 19th Signal Processing and Communications Applications Conference (SIU) 2011

Antalya, Turkey, 20–22 April 2011

1. Emerging Concepts and Technologies for Beyond-4G Wireless Cellular Networks for Broadband Connectivity

Invited Seminar

Hughes

Germantown, Maryland, USA, 14 March 2011

23. Emerging Concepts and Technologies for Beyond-4G Wireless Cellular Networks for Broadband

Connectivity

Distinguished Speaker Seminar Series

School of Computing, Queen’s University

Kingston, Ontario, Canada, 20 January 2011

22. Cooperation is not Limited to Physical Layer: Distributive Networks with Cross-Layer and Across

Network Cooperation and Coordination

Invited Seminar

Seminar Series on Signal Processing and Communications

Hacettepe University

Ankara, Turkey, 30 July 2010

1. Cooperation is not Limited to Physical Layer: Distributive Networks with Cross-Layer and Across Network Cooperation and Coordination

Invited Seminar

Huawei Canada Research Centre

Ottawa, Ontario, Canada, 11 June 2010

1. Cooperation is not Limited to Physical Layer: Distributive Networks with Cross-Layer and Across Network Cooperation and Coordination

Panel Talk

MIMO versus Cooperation Panel, IEEE Vehicular Technology Conference (VTC2010-Spring)

Taipei, Taiwan, 19 May 2010

1. The Building Blocks of the 5th Generation (5G) Wireless Networks for Affordable and Ubiquitous Broadband Connectivity

Plenary Speech

17th International Conference on Telecommunications (ICT 2010)

Doha, Qatar, 05 April 2010

1. The Building Blocks of the 5th Generation (5G) Wireless Networks for Affordable and Ubiquitous Broadband Connectivity

Plenary Speech

International Conference on Communication Technologies (ICCT 2010)

Riyadh, Saudi Arabia, 20 January 2010

1. The Building Blocks of the 5th Generation (5G) Wireless Networks for Affordable and Ubiquitous

Broadband Connectivity

Invited Seminar

RIM (Research In Motion), Advanced Technology Lab

Ottawa,Ontario, Canada, 18 November 2009

1. The Building Blocks of the 5th Generation (5G) Wireless Networks for Affordable and Ubiquitous Broadband Connectivity

Seminar Talk, Defence Research & Development Canada (DRDC), Ottawa, Canada, 15 October 2009

1. Radio Access Network (RAN) Architectures and Radio Resource Management Techniques for Beyond-4G Wireless Networks

Invited Seminar

Royal Institute of Technology (KTH)

Stockholm, Sweden, 12 June 2009

1. Broadband Wireless Connectivity: Right of Every Citizen"

Invited Seminar

Industry Canada, Spectrum Engineering

Ottawa, Canada, 06 May 2009

1. Mesh Based Radio Access Network Architectures for Beyond-4G Wireless Networks

Invited Seminar

RIM (Research In Motion)

Kitchener/Waterloo, Canada, 21 November 2008

1. Wireless Research

Invited Seminar

Industry Canada

Ottawa, Canada, 23 October 2008

1. Essential Components of Next-G Wireless: Advanced Radio Access Network and Advanced Radio Resource Management with Cross-Layer and Across Network Design

Panel Talk

Cross-Layer Design Panel, World Wireless Research Forum, Meeting #20

Ottawa, Ontario, Canada, 22 April 2008

1. An Overview of Radio Resource Management Techniques

Invited Seminar

Communications Research Centre of Canada (CRC)

Ottawa, Ontario, Canada, 27 March 2008

1. Wireless Multihop, Relay, Mesh Networks and Cooperative Communications: Fundamental Dynamics and Some Emerging Lines of Research

Invited Seminar

Yonsei University

Seoul, Korea, 29 August 2007

1. Cooperative Strategies for Future Wireless Communication Systems: A Critical View

Executive Panel Talk

IEEE International Conference on Communications (ICC) 2006

Istanbul, Turkey, 13 June 2006

1. Nortel Networks - Carleton University Collaboration on Multihop/Relay/Mesh Networks

Invited Talk

Nortel Networks - Wireless Forum XV

Ottawa, Ontario, Canada, 09 November 2006

1. Nortel Networks - Carleton University Collaboration on Multihop/Relay/Mesh Networks

Invited Talk

Nortel Networks - Wireless Forum XIV

Ottawa, Ontario, Canada, 09 September 2005

1. Infrastructure-Based Wireless Relay, Mesh, Multihop Networks

Invited Seminar

Enabling Technologies for 4G, Samsung Electronics, IT Center

Suwon, Korea, 16 May 2005

1. Infrastructure-Based Relay/Mesh/Multihop Networks

Invited Talk

Wireless Industry Congress (WIC'04)

Ottawa, Ontario, Canada, 18-19 October 2004

1. Cellular Multihop Communications: Infrastructure-Based Relay Network Architecture for 4G Wireless Systems

Invited Talk

Queen's University 22nd Biennial Symposium on Communications (QBSC'04)

Kingston, Ontario, Canada, 01 June 2004