

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

165. TBD

Keynote Speech

[CommNet 2021](#)

Hybrid (In-Person/Virtual) Event, 03-05 December 2021

164. TBD

[Keynote Speech](#)

IEEE/CIC International Conference on Communications in China (ICCC) 2021

Xiamen, China, 28-30 July 2020

163. [Non-Terrestrial Networks \(NTN\): The Next 20 Years](#)

Half-day Tutorial

IEEE International Conference on Communications (ICC) 2021

Virtual Event (Montreal, Canada), 14-18 June 2021

162. [TBD](#)

Keynote Speech

4<sup>th</sup> Workshop on Ultra-High Speed, Low latency and Massive Communication for Futuristic 6G Networks (ULMC6GN) @ IEEE ICC 2021

Virtual Event (Montreal, Canada), 14-18 June 2021

161. [RSMA for Aerial Networks](#)

Keynote Speech

Workshop on Rate Splitting Multiple Access @ IEEE ICC 2021

Virtual Event (Montreal, Canada), 14-18 June 2021

160. Non-Terrestrial Networks (NTN): Opportunities and Progress

IEEE ComSoc YP Fireside Chats (Mohamed-Slim Alouini and Halim Yanikomeroglu)

Virtual Event, 18 March 2021

159. Faster-Than-Nyquist (FTN) Signaling [[YouTube](#)]

Seminar (Ebrahim Bedeer and Halim Yanikomeroglu)

IEEE ComSoc Full Duplex Emerging Technology Initiative (FD ETI)

Virtual Event, 05 February 2021

158. Adventures in the SKY [[YouTube](#)]

[2021 IEEE Summit on Communications Futures](#) (ComFutures)

Virtual Event, 16-17 January 2021

157. LEO and HAPS Networks: 2030s Forecast

Invited Talk

IEEE ComSoc Satellite and Space Communications Technical Committee Meeting

Virtual Event, 18 December 2020

156. [Wireless Access Architecture: The Next 20+ Years](#) [[YouTube](#)]

[Current and Future Trends in 5G/B5G/6G Event](#)

IEEE Young Professionals Montreal

Virtual Event (Montreal, Canada), 14 December 2020

155. [Collaboration with Industry – An Academic’s Perspective](#)

Fireside Chat

IEEE ComSoc Young Professionals Session

IEEE Global Communications Conference (Globecom) 2020

Virtual Event (Taipei, Taiwan), 10 December 2020

154. [Information and Communications Technologies and Turkey](#) [\[YouTube\]](#) [\[YouTube\]](#)

Invited Seminar

IEEE Young Professionals Turkey

Virtual Event (Turkey), 07 December 2020

## 153. Sharing the Research Experience

Seminar

Department of Systems and Computer Engineering, Carleton University

Virtual Event (Ottawa, Canada), 07 December 2020

152. [Non-Terrestrial Networks \(NTN\): The Next 20 Years](#)

Half-day Tutorial

IEEE Global Communications Conference (Globecom) 2020

Hybrid Event, Taipei, Taiwan, 07-11 December 2020

151. [Wireless Access Architecture: The Next 20+ Years](#)

Keynote Speech

The 4<sup>th</sup> International Conference on Future Networks and Distributed Systems (ICFNDS) 2020

Virtual Event (St. Petersburg, Russia), 26 November 2020

150. A Novel HAPS Vision [\[YouTube\]](#)

Wireless Group Seminar

Virtual Event (Ottawa, Canada), 02 November 2020

## 149. A Novel HAPS Vision

Invited Seminar

Huawei Wireless Research Advisory Board (WRAB) Workshop #5

Virtual Event (Ottawa, Canada), 28-29 October 2020

148. Wireless Access Architecture: The Next 20+ Years [\[YouTube\]](#)

Departmental Seminar

Department of Electrical and Electronics Engineering, Hacettepe University

Virtual Event (Ankara, Turkey), 20 October 2020

147. [Wireless Access Architecture: The Next 20 + Years](#)

Invited Seminar

WWRF (Wireless World Research Forum) Online Seminars – The Inaugural Seminar

Virtual Event, 13 October 2020

146. [Wireless Access Architecture 2020-2040: The Sky's The Limit](#)

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 Wireless Research Advisory Board (WRAB) Workshop #4

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 [[YouTube](#)]

Carleton University Online Wireless Seminars

Virtual Event (Ottawa, Canada), 04 June 2020

140. [Wireless Access Architecture: The Next 20 Years](#)

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](#)

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](#)

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](#)

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 Celebration of Excellence and Engagement ([COEE 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 Wireless Research Advisory Board (WRAB) Workshop #3

Stittsville, Ontario, Canada, 13 November 2019

132. [Predictions for the 6G Networks of 2030s based on the 4G and 5G Experience](#)

Keynote Speech

The 57<sup>th</sup> IEEE 5G Summit – Sheridan

Brampton, Ontario, Canada, 22 October 2019

131. [A Disruptive Wireless Access Architecture for 6G Networks of 2030s](#)

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. [360° View of Innovative Mission Critical Mobile Applications APIs](#)

Panel Chair

IEEE PIMRC 2019

Istanbul, Turkey, 10 September 2019

129. [Views on 6G Networks of the 2030s](#)

Panel Chair

IEEE PIMRC 2019

Istanbul, Turkey, 09 September 2019

128. [A Disruptive Wireless Access Architecture for 6G Networks of 2030s](#)

Keynote Speech

IEEE 5G Toronto Summit 2019

Toronto, Ontario, Canada, 09 August 2019

127. [Integrated Aerial/Terrestrial 6G Networks for 2030s](#)

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](#)

Keynote Speech

1<sup>st</sup> 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](#)

Keynote Speech

27<sup>th</sup> 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](#)

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](#)

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](#)

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](#)

Keynote Speech

IEEE Globecom 2018 Wi-UAV – 9<sup>th</sup> 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](#)

[IEEE Distinguished Lecture](#)

IEEE Communications Society (ComSoc) Toronto Chapter

University of Toronto

Toronto, Ontario, Canada, 06 December 2018

114. [6G Networks for Ubiquitous Super-Connectivity](#)

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 [\[Part1\]](#) [\[Part2\]](#)

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](#)  
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](#)  
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](#)  
[The 10<sup>th</sup> International Congress on Ultra Modern Telecommunications and Control Systems](#)  
Moscow, Russia, 05 November 2018

107. 5G Wireless and Beyond Panel  
Panel speaker  
21<sup>st</sup> 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  
21<sup>st</sup> 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](#)  
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 #1  
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

4<sup>th</sup> Carleton Informal Workshop on Non-Terrestrial Networks  
Ottawa, Canada, 20 December 2017

96. [5G and Beyond Wireless Networks: Emerging Concepts and Technologies](#)

Half-day Tutorial  
IEEE Globecom 2017  
Singapore, 04 December 2017

95. [5G Wireless Technologies](#)

Carleton University Faculty of Engineering and Design Ingenious Talks  
Ottawa, Canada, 01 November 2017

94. [Ultra-Agile Infrastructure for Ultra-Fast Connectivity](#)

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](#)

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?](#)

Keynote Speech  
25<sup>th</sup> 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?](#)  
Keynote Speech  
The Third International Symposium on Ubiquitous Networking (UNET) 2017  
Casablanca, Morocco, 10 May 2017
89. [IMT-2020 Evaluation Process](#)  
Invited Talk  
WWRF (World Wireless Research Forum) Meeting #37  
Kassel, Germany, 06 October 2016
88. [The IoE Revolution and 5G+](#)  
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](#)  
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](#)  
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 \(Claude Shannon Centenary 2016\)](#)  
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](#)



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](#)

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](#)

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](#)

Invited Talk

Wireless World Research Forum, 35<sup>th</sup> Meeting (WWRF35)  
Copenhagen, Denmark, 16 October 2015

75. [5G+ Wireless Networks: Roadmap and Enabling Technologies](#)

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](#)

IEEE Distinguished Lecture

IEEE Communications Society Turkey Chapter  
Hacettepe University  
Ankara, Turkey, 30 June 2015

72. [Emerging Concepts and Technologies towards 5G Wireless Networks](#)

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](#)

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](#)  
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](#)  
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](#)  
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](#)  
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](#)  
Half-day Tutorial  
IEEE Global Communications Conference (Globecom) 2014  
Austin, Texas, USA, 12 December 2014

60. [Emerging Concepts and 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  
3<sup>rd</sup> Defence, Security, and Information Technologies Inter-Industry Cooperation Conference  
Istanbul, Turkey, 06 March 2014

58. [Emerging Concepts and Technologies for 5G Wireless Networks](#)

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](#)

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

55. Emerging Concepts and Technologies for 5G Wireless Networks

Invited Talk  
AveaLabs Innovation Days Seminar  
Istanbul, Turkey, 25 July 2013

54. [Emerging Concepts and Technologies for 5G Wireless Networks](#)

Invited Seminar  
Hacettepe University  
Ankara, Turkey, 24 July 2013

53. [Moving Forward in Wireless: Emerging Concepts & Technologies for Beyond-2020 Cellular Networks](#)

Half-day Tutorial  
IEEE International Conference on Communications (ICC) 2013  
Budapest, Hungary, 13 June 2013

52. 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

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

Invited Seminar  
Defence Research and Development Canada (DRDC)  
Ottawa, 25 April 2013

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50. [Moving Forward in Wireless: Emerging Concepts & Technologies for Beyond-2020 Cellular Networks](#)  
Cornell University Information Systems and Networks Invited Lecture  
Ithaca, New York, USA, 03 April 2013
49. 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
48. Moving Forward in Cellular: 5G Networks  
Invited Seminar  
Telus Technology Summit 2013  
Toronto, Ontario, Canada, 28 February 2013
47. Emerging Research Direction in Wireless  
Invited Seminar  
Huawei Canada R&D Centre  
Ottawa, Ontario, Canada, 15 February 2013
46. 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
45. 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
43. [Moving Towards 5<sup>th</sup> Generation Wireless Cellular Networks: Emerging Concepts and Trends](#)  
Keynote Speech  
International Conference on Electrical and Computer Systems (ICECS), Keynote Speech  
Ottawa, Ontario, Canada, 22 August 2012
42. 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
41. 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

## 40. 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

## 39. 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

## 38. 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

## 37. 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

## 36. 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

## 35. 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

## 34. 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

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

Invited Seminars

Saudi Telecom Society  
Riyadh, Saudi Arabia, 14 May 2012

## 32. 4G and Beyond-4G Wireless Networks

2-Day Short Course

Saudi Telecom Company (STC)  
Riyadh, Saudi Arabia, 12 & 13 May 2012

## 31. 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

## 30. 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

## 29. 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

28. 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

## 27. 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

## 26. 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

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

Invited Talk

IEEE 19<sup>th</sup> Signal Processing and Communications Applications Conference (SIU) 2011  
Antalya, Turkey, 20–22 April 2011

24. 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

21. 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

20. 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

19. 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

18. 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

17. 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

16. 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

15. 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

14. Broadband Wireless Connectivity: Right of Every Citizen"

Invited Seminar  
Industry Canada, Spectrum Engineering  
Ottawa, Canada, 06 May 2009

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

Invited Seminar  
RIM (Research In Motion)  
Kitchener/Waterloo, Canada, 21 November 2008

12. Wireless Research  
Invited Seminar  
Industry Canada  
Ottawa, Canada, 23 October 2008

11. 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

10. An Overview of Radio Resource Management Techniques  
Invited Seminar  
Communications Research Centre of Canada (CRC)  
Ottawa, Ontario, Canada, 27 March 2008

9. 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

8. 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

7. Nortel Networks - Carleton University Collaboration on Multihop/Relay/Mesh Networks  
Invited Talk  
Nortel Networks - Wireless Forum XV  
Ottawa, Ontario, Canada, 09 November 2006

6. Nortel Networks - Carleton University Collaboration on Multihop/Relay/Mesh Networks  
Invited Talk  
Nortel Networks - Wireless Forum XIV  
Ottawa, Ontario, Canada, 09 September 2005

5. Infrastructure-Based Wireless Relay, Mesh, Multihop Networks  
Invited Seminar  
Enabling Technologies for 4G, Samsung Electronics, IT Center  
Suwon, Korea, 16 May 2005

4. Infrastructure-Based Relay/Mesh/Multihop Networks  
Invited Talk  
Wireless Industry Congress (WIC'04)  
Ottawa, Ontario, Canada, 18-19 October 2004



3. 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