KEYNOTES, INVITED TALKS & SEMINARS, TUTORIALS – since 2004

205. TBD
Keynote Speech
The First International Conference on Advances in Electrical and Computer Engineering (ICAECE 2023)
Hybrid Event, Tebessa, Algeria, 07-08 March 2022

204. The Holy Grail of LEO Research: Direct Connectivity to the Smartphone
Panel Speech
Mega-Constellation-Based Non-Terrestrial Network for 6G Panel
IEEE Globecom 2022
Hybrid Event, 05 December 2022, Rio de Janeiro, Brazil

203. TBD
Huawei Future Wireless Research Workshop #9
Montreal, Canada, December 2022

202. Stratospheric Networks of the Future: It is More than Connectivity
International Conference on Satellite Computing (IEEE Satellite 2022)
Hybrid Event, 25-27 November 2022, Shenzhen, China

201. 5G, 6G, Then What?
Invited Talk, SCETalks Series
Carleton University, SCESoc
Ottawa, Canada, 10 November 2022

200. The Holy Grail of LEO Research: Direct Connectivity to the Smartphone
Virtual Event, 10 November 2022

199. The Holy Grail of LEO Research: Direct Connectivity to the Smartphone
Panel Speech
The Road to 6G through the Sky Panel
International Forum on Connecting the World from Skies
Hybrid Event, Riyadh, Saudi Arabia, 09 November 2022

198. Stratospheric Networks of the Future: It is More than Connectivity
The High Throughput and Secure Networks (HTSN) Challenge Program Seminar
Virtual Event (Ottawa, Canada), 08 November 2022

197. Stratospheric Networks of the Future: It is More than Connectivity
Keynote Speech
International Conference on Ubiquitous Networking (UNet’22)
Virtual Event (Montreal), 25 October 2022

196. Wireless Infrastructure of the Future: Integrated Terrestrial-HAPS-LEO Networks
Half-day Tutorial
27th Asia-Pacific Conference on Communications (APCC 2022)
Hybrid Event, Jeju Island, South Korea, 20 October 2022

195. 5G ve Ötesi Teknolojiler (5G and Beyond Technologies) [YouTube]
**194. Panel: 6G Think Tank Outcomes – What should Canada do to lead future networks research?**
Panelist on Accessibility
IEEE Future Networks World Forum 2022
Hybrid Event, Montreal, Canada, 13 October 2022

**193. Integrated Terrestrial-HAPS-Satellite Networks of the Future: Towards A Sustainable ICT Ecosystem**
Keynote Speech
*The 10th Annual IEEE International Conference on Wireless for Space and Extreme Environments (WiSEE 2022)*
Hybrid Event, Winnipeg, Manitoba, Canada, 12-14 October 2022

**192. Integrated Terrestrial-Aerial-Stratospheric-Space Networks of the Future: Towards A Sustainable ICT Ecosystem**
IEEE Consumer Technology Society Seminar
Virtual Event, 05 October 2022

**191. 6G ve Sonrası Bilişim Ağlarının Mimarisi Üzerine Ufuk Turu**
Webinar
Istanbul Aydin University
Virtual Event (Istanbul, Turkey), 28 September 2022

**190. Integrated Terrestrial-HAPS-Satellite Networks of the Future: Towards A Sustainable ICT Ecosystem**
Distinguished Seminar Series
Department of Electrical and Computer Engineering, Queen’s University
Virtual Event (Kingston, Canada), 23 June 2022

**189. Integrated Terrestrial-HAPS-Satellite Networks of the Future: Towards A Sustainable ICT Ecosystem**
*1st IEEE Workshop on Sustainable and Intelligent Green Internet of Things for 6G and Beyond*
*IEEE VTC Spring 2022*
Helsinki, Finland, 19 June 2022

**188. Integrated Terrestrial-HAPS-Satellite Networks of the Future: Towards A Sustainable ICT Ecosystem**
Invited Talk
*The 8th Future of Wireless Technology Workshop: Future of 5G Integrated Non-Terrestrial-Networks (NTNs)*
Virtual Event (Huawei, Sweden), 01 June 2022

**187. Integrated Terrestrial-HAPS-Satellite Networks of the Future: Towards A Sustainable ICT Ecosystem**
*YouTube*
Carleton Wireless Seminar
Virtual Event (Carleton University), 31 May 2022

**186. 6G NTN**
Invited Talk
Huawei Future Wireless Research Workshop #8
Hybrid Event (Toronto, Canada), 25 May 2022

**185. Beyond-6G Wireless Infrastructure towards Sustainable and Smart Cities**
Workshop on Integrated UAVs into 5G and Beyond
*IEEE International Conference in Communications (ICC) 2022*
Virtual Event (Seoul, South Korea), 16 May 2022
184. Panel on Public / Private / Academia Collaboration
HAPS Alliance Member Meeting
Virtual Event, 14 April 2022

183. Beyond-6G Wireless Infrastructure towards Sustainable and Smart Societies
Keynote Speech
2022 IEEE Summit on Communications Futures
Virtual Event, 15 January 2022

Sharing the Research Experience Seminars
Department of Systems and Computer Engineering, Carleton University
Virtual Event (Ottawa, Canada), 16 December 2021

181. 6G/B6G HAPS (High Altitude Platform Station) Networks for Integrated Communications, Computing,
Sensing, Positioning, ... – Everything
Keynote Speech
Workshop on Emerging Topics in 6G Communications @ IEEE Globecom 2021
Hybrid Event (In-Person and Virtual Conference), Madrid, Spain, 07 December 2021

180. Wireless Infrastructure of 2040s towards Sustainable and Smart Cities and Societies
Keynote Speech
CommNet 2021
Virtual Event, 03 December 2021

179. AI-enabled B6G Wireless Infrastructure for Green and Sustainable Cities & Societies
Invited Seminar
Huawei Future Wireless Research Workshop #7
Virtual Event (Ottawa, Canada), 30 November 2021

Sharing the Research Experience Seminars
Department of Systems and Computer Engineering, Carleton University
Virtual Event (Ottawa, Canada), 12 November 2021

177. Wireless Infrastructure of 2040s towards Green and Smart Societies
Invited Seminar
IPM’s 40th Anniversary Seminar Series
Macao Technical Institute, Macao, 15 October 2021

176. 23 Years @ Carleton | Research and Other Stuff
Invited Seminar
Department of Systems and Computer Engineering, Carleton University
Ottawa Canada | virtual event, 01 October 2021

175. Wireless Access Architecture 2040: Towards a Green ICT Ecosystem [YouTube]
Invited Seminar
IEEE ComSoc "Green Communications & Computing Technical Committee (TCGCC)" and "Machine
Learning for Communications Emerging Technology Initiative (ETI-ML)" Joint Seminar
Virtual Event, 21 September 2021

174. 6G/B6G HAPS Networks: An Evolution with a Revolutionary Impact
Invited Talk
Looking beyond 5G – Future Technology Trends towards 6G Workshop
173. 6G/B6G HAPS (High Altitude Platform Station) Networks for Integrated Communications, Computing, Sensing, Positioning, ... – Everything
Keynote Speech
5th Iranian Conference on Communications Engineering (ICCE 2021)
Virtual Event (Shahrood University of Technology, Iran), 15-16 September 2021

172. 6G/B6G HAPS Networks: An Evolution with a Revolutionary Impact [YouTube]
IEEE ComSoc Oregon Virtual Distinguished Lecture
Virtual Event (Oregon, USA), 14 September 2021

171. 6G/B6G HAPS Networks: An Evolution with a Revolutionary Impact [YouTube]
Keynote Speech
2021–2022 Carleton 6G Workshop #1: HAPS (High Altitude Platform Station) Networks
Virtual Event (Ottawa, Canada), 29 July 2020

170. Non-Terrestrial Networks: Key Enabler for the Smart Societies of the Future
Keynote Speech
IEEE/CIC International Conference on Communications in China (ICCC) 2021
Xiamen, China, 30 July 2020

169. Aerial Networks for Integrated Communications, Sensing, Computing, Navigation, ... – Everything
Invited Seminar
Huawei Future Wireless Research Workshop #6
Virtual Event (Ottawa, Canada), 29-30 June 2021

168. RSMA for Aerial Networks: Advanced PHY for Advanced RAN
Keynote Speech
Workshop on Rate Splitting Multiple Access @ IEEE ICC 2021
Virtual Event (Montreal, Canada), 18 June 2021

167. Integrated Terrestrial-HAPS-LEO Networks: Key Enabler for the Smart Societies of the Future
Invited Seminar
Macao Technical Institute, Macao, 16 June 2021

166. Non-Terrestrial Networks (NTN): The Next 20 Years
Half-day Tutorial
IEEE International Conference on Communications (ICC) 2021
Virtual Event (Montreal, Canada), 14 June 2021

165. Integrated Terrestrial-HAPS-LEO Networks: Key Enabler for the Smart Societies of the Future
Departmental Seminar
Department of Electronics Engineering, York University, UK, 09 June 2021

164. Integrated Terrestrial-Aerial-Satellite Networks: Key Enabler for the Super Smart Cities of the Future
Virtual Event, 27 May 2021

163. Integrated LEO-HAPS Networks: Best of Both Worlds
Invited Talk
Unmanned Aircraft Systems (UAS) Connectivity Technical Working Group (TWG) Meeting
United Nations World Food Programme (UB WFP)
Virtual Event, 26 May 2021

162. Integrated Terrestrial-Aerial-Satellite Networks: Key Enabler for the Super Smart Cities of the Future
Keynote Speech
5th International Conference on Internet of Things and Its Applications
Virtual Event (Isfahan, Iran), 19 May 2021

161. Wireless Networks: 5G and Beyond
Mini-Lecture
CU at Home (Carleton University)
Virtual Event (Ottawa, Canada), 18 May 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]
Invited Seminar (Ebrahim Bedeer and Halim Yanikomeroglu)
IEEE ComSoc Full Duplex Emerging Technology Initiative (FD ETI)
Virtual Event, 05 February 2021

158. High Altitude Platform Station (HAPS) Networks of 2030s [YouTube]
Adventures in the SKY Session Invited Talk
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
ACM 4th International Conference on Future Networks and Distributed Systems (ICFNDS) 2020
Virtual Event (St. Petersburg, Russia), 26 November 2020

150. **A Novel HAPS Vision** [YouTube]
Carleton University Wireless Seminar Series
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

Keynote Speech
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 Speech
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 Speech
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, Department Head, Nokia Bell Labs, Belgium)
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 57th 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. **360º 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**  
Executive 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  
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**  
Keynote Speech  
IEEE 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**  
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
Keynote Speech
6G-PHY-Fest
Carleton University 6G Workshop
Ottawa, Canada, 18 December 2018

116. Airborne Communication Networks
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
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. Key Enablers in Research and Innovation
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
Keynote Speech
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 10th International Congress on Ultra Modern Telecommunications and Control Systems
Moscow, Russia, 05 November 2018

107. 5G Wireless and Beyond Panel
Panel speaker
Montreal, Canada, 30 October 2018

106. Integrated Terrestrial/Non-Terrestrial 6G Networks for Ubiquitous 3D Super-Connectivity
Keynote Speaker
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. Five 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
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
Plenary Speech
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 (BackNets)
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
IEEE 25th Signal Processing and Communications Applications Conference (SIU) 2017
Antalya, Turkey, 17 May 2017

91. Views on 5G
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
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

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, 35th Meeting (WWRF35)
Copenhagen, Denmark, 16 October 2015

75. 5G+ Wireless Networks: Roadmap and Enabling Technologies
Half-day tutorial
IEEE Vehicular Technology Conference (VTC2015-Fall)
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
EAI 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
   Keynote Speech
   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
   3rd 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

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

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

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:
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:
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

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:
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

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
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 19th 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

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

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

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

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

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

   Invited Talk
Queen's University 22nd Biennial Symposium on Communications (QBSC'04)
Kingston, Ontario, Canada, 01 June 2004