

# Professor Halim Yanikomeroglu, Carleton University, Canada

- Areas of Research

- Integrated Space/Aerial/Terrestrial Access Architecture for 6G Networks
- AI, Machine Learning and Data Analytics for Communication Networks
  - Real-time, dynamic, and personalized network slicing
- Advanced PHY for 6G
  - Power-domain & code-domain NOMA
  - Faster-than-Nyquist signaling
  - Constellation design for ultra-flexible PHY with massive look-up tables

- Professional Accomplishments

- Fellow of IEEE, Engineering Institute of Canada (EIC), Canadian Academy of Engineering (CAE)
- Distinguished Speaker, IEEE Communications Society
- Distinguished Speaker, IEEE Vehicular Technology Society
- Steering Committee Chair, IEEE Wireless Communications and Networking Conference
- Recipient, 2018 IEEE ComSoc Wireless Communications Tech. Committee Recognition Award
- Former Chair, IEEE ComSoc Technical Committee on Personal Communications
- Principal Investigator, Carleton University Network 2030 Multidisciplinary Research Cluster
- General Chair, IEEE VTC 2017-Fall Toronto & IEEE VTC 2010-Fall Ottawa
- Tech. Program Chair, IEEE WCNC 2014 Istanbul, WCNC 2008 Las Vegas, WCNC 2004 Atlanta

