



# IEEE 5G and Beyond Testbed Workshop

Sunday 24 September 2017 | Toronto, Ontario, Canada

Co-located with IEEE VTC 2017



## [IEEE 5G and Beyond Testbed Workshop](#)

in Conjunction with IEEE VTC 2017, Toronto

Organized by IEEE 5G Initiative Testbed Working Group

**Sunday 24 September 2017**

**Time: 9:00 – 17:30**

Hilton Toronto

145 Richmond St. West

Toronto, Ontario, M5H 2L2, Canada

Room: Governor General

**Remote access** via a [WebEx link](#).

Following the successful IEEE 5G Roadmap Workshop at ICC, the IEEE 5G and Beyond Initiative will be holding a Testbed Workshop focusing on experimental testbeds on 5G and Beyond. This workshop will take place, as part of the 2017 VTC, on Sunday September, 24th 2017 in Toronto. The objective of this workshop is to bring together developers, practitioners, technical experts and researchers to share experiences and advance the state of the art in all aspects of 5G systems prototyping, evaluation and testing. The workshop also aims to solicit contributions and promote discussion on the novel methodological studies and experimental paradigms for future 5G testbeds and co-development and co-deployment of experimental platforms. Of particular interest are ideas on extending publicly available testbeds with 5G related technologies as they become available and how they can be used to address common technological and scientific problems that are related to advanced wireless systems.

The workshop will cover a spectrum of distinguished speakers from all over the world who will share their experiences about building testbed and experimental results. They will also highlight how these testbeds can be used by IEEE 5G Community.

### Organizing Committee

Ashutosh Dutta  
Eileen Healy  
Thomas Magedanz  
Chrysa Papagianni  
Ivan Seskar  
Tracy Van Brakle

### SPEAKERS

**Abhimanyu Gosain**

Northeastern University College of Engineering

**Abhay Karandikar**

Indian Institute of Technology

**Mischa Dohler**

King's College London

**Ari Pouttu**

Oulu University

**Sofie Pollin**

KU Leuven

**Wuxiong Zhang**

Shanghai Institute of Fog Computing

**Christoph Thiemmler**

Edinburgh Napier University

**Sarah Yost**

National Instruments

**Ivan Seskar**

Rutgers University

**Tracy Van Brakle**

ONF

**Ilie-Daniel Gheorghe-Pop**

FOKUS

**Christian Esteve Rothenberg**

University of Compinas

**Kostantinos Alexandris**

EURECOM

**Ivo Maljevic**

Telus

**Amitava Ghosh**

Nokia Bell Labs

**Ashok Sunder Rajan**

Intel

**John Kaewell**

Interdigital

**Xavier Fernando**

Ryerson Communications Lab

## Agenda:

Time	Speaker	Affiliation	Talk Title
8:00	<b>Registration</b>		
9:00	<a href="#">Ashutosh Dutta</a>	IEEE Volunteer	Welcome Address
9:10	<a href="#">Abhimanyu Gosain</a>	Northeastern University College of Engineering	Keynote: Platforms for Advanced Wireless Research: Exploring Characteristics of Future Research Testbeds
9:40	<a href="#">Abhay Karandikar</a>	Indian Institute of Technology	Towards Frugal 5G: A Case Study of Palghar Test-b
10:00	<a href="#">Mischa Dohler</a>	King's College London	5GUK --- World's First 5G National Trial
10:20	<a href="#">Ari Pouttu</a>	Oulu University	Oulu 5G Test Network (5GTN) - 5G is Coming- What is missing?
10:40	<b>Coffee Break</b>		
11:00	<a href="#">Sofie Pollin</a>	KU Leuven	5G Creativity: Flexible Radios in Flexible Networking Configurations
11:20	<a href="#">Wuxiong Zhang</a>	Shanghai Institute of Fog Computing	Parallel Channel Sounder for MIMO Communications
11:40	<a href="#">Christoph Thuemmler</a>	Edinburgh Napier University	Relevant 5G Application Scenarios in the Health Domain
12:00	<a href="#">Sarah Yost</a>	National Instruments	Building Complex Systems with COTS Software Defined Radios
12:20	<b>Lunch</b>		
1:00	<a href="#">Ivan Seskar</a>	Rutgers University	ORBIT 5G PILOT Testbed
1:30	<a href="#">Tracy Van Brakle</a>	ONF	ONAP Open Wireless Lab
1:50	<a href="#">Ilie-Daniel Gheorghe-Pop</a>	FOKUS	5G Ready Testbeds: Enabling Early Prototyping and Experimentation
2:10	<a href="#">Christian Esteve Rothenberg</a>	University of Campinas	Towards a comprehensive, sustainable wiki catalogue of testbeds and open source toolkit
2:30	<a href="#">Konstantinos Alexandris</a>	EURECOM	Open5G testbed: Live Cloud RAN deployment in SophiaCampus
2:50	<a href="#">Ivo Maljevic</a>	Telus	Riding the Waves: TELUS mmWave Trials
3:10	<a href="#">Ashok Sunder Rajan</a>	Intel	4G, 5G Workloads and Capacity Implications
3:30	<b>Coffee Break</b>		
4:00	<a href="#">Amitava Ghosh</a>	Nokia Bell Labs	5G Experimental System @ high mmWave band (70 GHz)
4:20	<a href="#">John Kaewell</a>	InterDigital	5G Testbed Key Attributes
4:40	<a href="#">Xavier Fernando</a>	Ryerson Communications Lab	Optical Techniques for 5G Wireless Networks
5:00	<b>TBD</b>		
5:20	<b>Wrap-up</b>		