

The 4th Taipei 5G Summit 2017

The Power of New Radio & Edge Intelligence

Parallel Event of The 21th World Congress on Information Technology (WCIT)

2017台北5G國際高峰會

2017年9月12日至13日
台北國際會議中心3樓宴會廳

大會講師



KDDI Research Inc.
Dr. Fumio Watanabe
Chairman

Abstract:

"5G" mobile networks are required to cope with diverse requirements for not only enhanced mobile broadband but also massive-machine type communication and ultra-reliable/low latency communication. How to use higher frequency bands to provide better services with reasonable CAPEX and OPEX would be one of the key challenge for operators. This talk will examine two typical approaches. It will also cover system level field trials at 28GHz band and several application PoC with partners.



Ericsson
Dr. Joakim Sorelius
Head of 5G Architecture,
Business Unit Net Product

Abstract:

Compared to previous generations of wireless communications technology, 5G will expand the broadband capability of mobile networks, provide specific capabilities not only for consumers but also for various industries and build new revenue streams with radically new business models and use cases. In this presentation, we provide an overview of key 5G technology components and their impact on overall system performance in today's networks using mid-band and high-band. Moreover, we highlight how 5G-enabled digitalization for industries generate new revenue streams for ICT players.



IEEE 5G Initiative; Vodafone
Prof. Gerhard Fettweis
Co-chair; Chair Professor at TU Dresden

Abstract:

5G clearly is another generation leap forward in bringing another 10x in data rate increase over what we have today. Hence, leading to massive data rates. It also will be able to connect a massive number of IoT devices. The real innovation step in 5G, however, lies in the Tactile Internet, i.e. allowing for URLLC (ultra-reliable low latency communications). This will create an infrastructure for remote controls of real and virtual objects. One of the largest first applications lies in the mobility sector. This talk will address challenges in achieving URLLC, as well as opportunities ahead. 5G will revolutionize the mobility sector!



Nokia
Dr. Seppo Härmäläinen
Head of Sales for End to End 5G

Abstract:

In his presentation, Seppo will discuss about the current status and expected roadmap of 5G. 5G status and plans are discussed in different regions and in 3GPP standardization. 5G development will be presented for radio network as well for the network architecture. An internal part of 5G network architecture will be Multi-access Edge Computing and intelligent edge. Multi-access Edge Computing is an inherent and a necessary component of 5G enabling short latency and related applications and use cases. In this presentation Multi-access Edge Computing and edge intelligence, and its evolution will be discussed.



ETSI
Mr. Luis Jorge Romero
Director General

Abstract:

Standardization is fundamental to innovation. If innovation is the ability to transform ideas into money, in a replicable manner at an affordable cost, then standardization is paramount to this process. From GSM to LTE and now already progressing towards 5G, ETSI has been a key contributor as a founding partner in 3GPP. And ETSI adds some more components, such as Network Functions Virtualization or Multiaccess Edge Computing. 5G addressing more than just people, ETSI is developing the services layer standard of the Internet of Things (IoT) as founding partner of oneM2M. Everything following our 'security by design' motto. You are all invited to join!



Keysight Technologies Inc.
Mr. Roger Nichols
Director of 5G Programs

Abstract:

The first "implementable" standard for 5G NR is scheduled for completion at the end of 2017 and this is an acceleration of 3GPP's original plans. NR presents several interesting measurement challenges and not all of them are in millimeter-waves. This presentation covers some key facets of the measurement and validation perspective of NR and why it is a different "animal" than previous standards. These include measurements on components, subsystems, and on end-to-end functionality.



IMDEA Networks Institute and University Carlos III of Madrid
Dr. Arturo Azcorra
Director

Abstract:

The last years have seen an increasing interest in the development of a common transport infrastructure for fronthaul and backhaul traffic. This interest has been driven by the development in 3GPP and other SDOs of new functional splits for the LTE protocol stack and new mechanisms for transporting them. The 5G-Crosshaul project is a 5GPPP phase I initiative driven by the key industry in the area that has designed a new transport network which provides extreme bandwidth and flexible control. This talk presents this architecture and its main achievements.



Relay 2
Mr. Eric Chen
Founder & CTO

Abstract:

Cloud solutions alone do not deliver a great digital venue experience. Paradigm is shifting from the Cloud to the Edge with lots of start up innovating on smart services and immersive user experiences in venues.



Sercomm
Mr. James Wang
CEO

Abstract:

5G will bring considerable enhancements to mobile broadband in data throughput, capacity, and coverage. Real-time machine type communications enabled by massively-deployed connected IoT devices will take Industry 4.0 to the next level. This speech will outline the significance of ultra reliability and extremely low latency for mission critical wireless Industry 4.0 applications in the 5G era. The speaker will also elaborate on business opportunities on the horizon brought by mobile edge computing and discuss various use cases including smart manufacturing.



Qualcomm Technologies, Inc.
Mr. Serge Willenegger
Senior Vice President,
Product Management



National Chiao Tung University (NCTU)
Dr. Mau-Chung Frank Chang
President



Tokyo Institute of Technology
Prof. Kei Sakaguchi
Professor



Technology Development and Automation, Reliance Jio
Mr. Tareq Amin
Senior Vice President



Wireless Technology Bell Mobility, Canada; NGMN 5G initiative
Mr. Javan Erfanian
Distinguished Member; Co-Lead



Intel
Dr. Ali Sadri
Senior Director

會議線上報名將於2017年9月7日截止

敬請把握良機，即刻報名!!!

由經濟部技術處5G推進辦公室主辦之2017台北5G國際高峰會 (The 4th Taipei 5G Summit 2017) 將於2017年9月12日至13日假台北國際會議中心舉辦，本會議亦為2017世界資訊科技大會 (World Congress on Information Technology · WCIT) 相關周邊重要會議之一。

議程將分為四大主軸探討，5G新無線電技術 (New Radio)、邊緣運算 (Edge Intelligence)、歐洲5G聯盟 (Europe Outreach in 5G)及5G技術應用探討 (5G Applications)。「2017台北5G國際高峰會 (The 4th Taipei 5G Summit 2017)」誠摯邀請您一同與會，積極參與交流5G最新發展趨勢，與世界同步接軌！

