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Telecommunications & the Digital Economy

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[Home](#) > The Wireless 5G Future

The Wireless 5G Future

Presented by China Mobile's Chief Scientist of Wireless

Wednesday, 11th June 2014

FREE public lecture (registration via SurveyMonkey)

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This event is fully booked or has passed.

China, the world's largest mobile market entered the 4G era at the end of 2013. 2020 is now widely considered to be the year of 5G. Mobile 5G are becoming the hottest key words in the wireless industry. Growing consensus is that the next generation of wireless systems will face a 1000x traffic load increase. Questions to be answered include:

- How can we dramatically increase network capacity while keeping the total cost of ownership at a reasonable level?
- What user needs must be met by 5G?
- How will other wireless technologies and mobile infrastructure be integrated?
- Are there any particular needs from a mobile operator's point of view?
- How will mobile operators stay on the centre stage in the future?
- What kind of technologies are operators looking for?
- What's the likely roadmap towards next generation mobile network?

This talk will give insights into these questions and share China Mobile's views as well as selected global technology updates.

Dr. Chih-Lin I's presentation will run from 4pm to 5pm and then will be followed by an opportunity to network with your industry colleagues over drinks and nibbles.

Note: This is a FREE public lecture sponsored and organised by Alcatel-Lucent and the Centre for Energy-Efficient Telecommunicaitons (CEET ^[3]) at the University of Melbourne. It is advertised to TelSoc members for their interest.

Date and Time

Wed, 11 Jun 2014

16:00 - 17:30 AEST

Location

Theatre 2, Level 1 - Alan Gilbert Building 104
Corner Grattan St and Barry St
The University of Melbourne
Parkville VIC 3052
Australia

Presenter(s)

Dr. Chih-Lin I - Chief Scientist of Wireless Technologies, China Mobile Research Institute

Dr. Chih-Lin I is the Chief Scientist of Wireless Technologies, China Mobile Research Institute, where she is leading research on new wireless internet and green communication technologies. Dr. I joined China Mobile Research Institute as a recipient of the CCCP "National Thousand Talent Program". She established the Green Communications Research Center of China Mobile, currently spearheading major initiatives including high energy efficiency system architecture, technologies, and devices; advanced R&D for 5G; green energy, power and carbon reduction. Prior to joining CMRI, Dr. I held varying positions including, VPGD of Communications Technology Group, ASTRI, Hong Kong, Director of Wireless Communication Technology Department, ITRI, Taiwan, Director of Wireless Communications Infrastructure and Access Technology, AT&T Headquarters, Basking Ridge, NJ, Research member, Wireless Technology Research Department, AT&T Bell Laboratories, Crawford Hill, NJ.

Dr. Chih-Lin I graduated from Stanford University and majored in Electrical Engineering. Her research focus has been on the leading techniques of wireless communication systems. She has been on the IEEE ComSoc Board of Directors, the Director of IEEE ComSoc Technical Meetings

and Conferences Board and the Chair of IEEE Wireless Communications and Networking Steering Committee. Dr. I has also been the Steering Committee Chair of Mobile Wireless Multimedia and Communication Center in the Information Technology Institute of Tsinghua University, Chair of HKUST ECE Department Domestic Advisory Committee, Honorary Director of AWTRC in the Computing Institute of Chinese Academy of Science, and Communication Technology Foreign Experts of Chinese State Council, among others.

Dr. Chih-Lin I is visiting Australia to present a keynote address at the IEEEICC 2014 conference (Sydney 10-14 June 2014 - <http://icc2014.ieee-icc.org/> ^[4])

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