

The Wireless World Research Forum –
5G Achievements 2012-2017



Contents

WIRELESS WORLD
RESEARCH FORUM®

- WWRF & 5G
- Upcoming Events



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WWRF 5G Activities

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- First WWRF Event – Berlin 2012
 - *“Future Internet in the Era Beyond IMT-Advanced – Wireless Communication in the 2020s*
- Vancouver 2013
 - *Wireless-Enabled Smart Societies in the 2020’s*
- Surrey 2014
 - *5G Beyond the Headlines*
- Copenhagen 2015
 - *5G Development and Deployment*



WWRF 5G Activities...

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- Beijing 2016
 - *5G – New Markets and Challenges*
- Kassel 2016
 - *New Businesses empowered by 5G*
- Taiwan 2017 + 5G Day
 - *5G – Enabling the Connected Society*
- Barcelona, 2017
 - *Ready 'n' Go – 5G trials and testbeds*



5G Huddle Series

- London 2014
 - *Towards a global 5G vision*
- Copenhagen 2015
 - *Delivering a Sustainable 5G Ecosystem*
- London 2016
 - *Making the Vision a Reality*
- Ottawa 2017
 - *Laying the Groundwork for Widespread Adoption*

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WWRF Presences in Various Fora

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- Wireless World 2020 workshop, IEEE VTC Fall 2012, Quebec City, Canada
- WWRF Workshop on Research Challenges for Communications in 2020, FUNEMS 2013, Lisbon, Portugal
- Wireless Evolution beyond 2020, WCNC 2014, Istanbul, Turkey
- A Global Perspective on the Challenges and Emerging Technologies for Shaping the 5G Era, EUCNC 2014, Bologna, Italy.
- WWRF Workshop - A Business and Enterprise Perspective on the Upcoming 5G Era, EUCNC 2015, Paris, France
- San Francisco 2016
 - Tutorial “Technologies for 5G”
- ICC Conference 2016
 - 5G for Verticals – Game Changers, Catalysts, and New Players



- Wireless and Optical Technologies for Systems Beyond 5G, EUCNC 2017, Oulu, Finland
- From 4G to Beyond 5G (B5G) Systems: Expectations, Realities and Disruptions, IEEE VTC Fall 2017, Toronto, Canada
- 5G: A Critical Technology Enabler For Future Vertical Markets, IEEE VTC Fall 2017, Toronto, Canada



WWRF & ITU

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- Liaison with WP5D and WP5A of ITU
- Participating in ITU IMT-2020 Evaluation Process
- Presentations to various ITU Workshops
 - *A New Generation of e-Health Systems*
 - *5G : on the count of three..... paradigm shifts*
 - *Future of IMT Systems: Wireless World Vision 2020*
- ITU-R WP5D, #13 meeting, Workshop on "Research views on IMT Technology Evolution", Geneva, Switzerland, July 2012
- ITU-R WP5A - "Requirements and Technologies for The Next Generation of Mobile Communications", Geneva, Switzerland, in May 2013
- ITU-R WP5D, #18 meeting, Workshop on Research Views on IMT Beyond 2020, Ho Chi Minh City, Vietnam, February 2014



Publications

- WWRF produces Whitepapers on number subjects and are available at:
 - <http://www.wwrf.ch/outlook.html>
- WWRF has published a number of books:
 - <http://www.wwrf.ch/books.html>
- The best papers of the WWRF regular meetings are selected and are included in a special issue of IEEE Vehicular Technology Magazine:
 - <http://www.wwrf.ch/ieee-journals.html>



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Planned Events 2017-2018 - WWRF Organized

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Oct 18th - 20th 2017	39th Meeting	Centre Tecnològic de Telecomunicacions de Catalunya, Barcelona, Spain
Spring 2018	40th Meeting	Meraka Institute, Council for Scientific and Industrial Research, Pretoria, South Africa
Fall 2018	41st Meeting	Denmark
Spring 2019	42nd Meeting	Singapore
Fall 2019	43rd Meeting	Thessaloniki, Greece



Planned Events 2017 -2018

Invited Events

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		INVITED EVENTS		
Jan 5th - 8th 2018	Hawaii International Conference on System Sciences (HICSS)	Hawaii, USA	WWRF Workshop on Researching 5G and user controlled privacy	Planned
Nov 27th - Nov 28th 2017	Workshop	Ghana		Planned
Nov 22nd - 24th 2017	Network of the Future 2017 (http://www.network-of-the-future.org/)	London, UK	A debate on whether IP will support the networks of the future or do we need something better or different	Planned
April 15th - 18th 2018	IEEE WCNC (http://wcnc2018.ieee-wcnc.org/)	Barcelona, Spain	Can 5G enable smart water management and address the world water crisis?	Planned
Oct 4th 2017	ITU-R WP5D IMT2020 workshop	Munich, Germany	Presentation on WWRF ITU-R IMT2020 Evaluation Group	Confirmed
Nov 15th 2017	Future Forum 5G Summit	Beijing, China	Invited presentation from WWRF	Invited
Nov 29th - Dec 1st 2017	EAI International Summit SmartCity360	Helsinki, Finland	Invited keynote presentation from WWRF	Confirmed

40th Meeting of WWRF

- South Africa

- Status in Planning Stage
- 5G Huddle + 40th Meeting
- First African Venture Workshop in Ghana
- WWRF's biggest venture in Africa

- Interested Countries:

- Kenya, Tanzania, Burkina Faso, Zimbabwe

- WWRF Members:

- CSIR – Meraka Institute, South Africa
- The Independent Communications Authority of South Africa (ICASA), South Africa

Africa

