

2019 IEEE 2nd 5G World Forum: Monday 30 September 2019

Plenary Sessions: Hall 2&3

8:30 Welcome remarks, *IEEE 5G World Forum General Co-chairs*
 8:40 Technical Program Committee Remarks, *IEEE 5G World Forum TPC Chair*
 8:50 Dr. Michael Bolle, *Bosch*
 9:00 Prof. Muriel Medard, *Massachusetts Institute of Technology*
 9:30 Prof. Henning Schulzrinne, *Columbia University*
 10:00 Dr. Thyaga Nandagopal, *National Science Foundation*

10:30 Coffee Break & Exhibition

	Conference Room 2	Conference Room 3	Conference Room 4	Conference Room 5	Conference Room 6	Seminar Room 1	Seminar Room 2	Seminar Room 4	Seminar Room 5	Seminar Room 6	Seminar Room 7	Great Hall & Hall 1
11:00	Worldwide 5G Fora	VERT1: 5G for the Industrial Internet of Things	INGR Roadmap Workshop - Closed Session: Working Group Meetings	IF5: Opportunities and Challenges for 5G Edge Network and Applications	TOP7: Testbed Workshop	5G-T: 5G Technologies	5G-H: 5G Hardware and Test/Measurements	WS5: 2nd SECRET Workshop - Secure Network Coding for Reduced Energy next Generation Mobile Small Cells	WS2: IoT in the 5G Era	WS8: Workshop on 5G Key Technologies for Connected Vehicles	TUT1: 5G NR a new Era for Spectrum Reuse Through Dynamic and Static Sharing	

13:00 Lunch

14:00	Worldwide 5G Fora	VERT1: 5G for the Industrial Internet of Things	INGR Roadmap Workshop - Open Session: Plenary Presentation	IF3: Can 5G and IoT Become General Purpose Technologies?	TOP4: Mobile Edge Computing	5G-T: 5G Technologies	5G-H: 5G Hardware and Test/Measurements	WS5: 2nd SECRET Workshop - Secure Network Coding for Reduced Energy next Generation Mobile Small Cells	WS4: 5G Challenges for Wireless Communications for Railways		TUT2: 5G Functional Splits, Orchestration and Network Management	Exhibition
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16:00 Coffee Break & Exhibition

16:30	Worldwide 5G Fora	VERT1: 5G for the Industrial Internet of Things	INGR Roadmap Workshop - Open Session: Plenary Presentation	IF4: The Importance of Electronics Packaging and Systems Integration for the Success of 5G	TOP4: Mobile Edge Computing	5G-T: 5G Technologies	DEMO1: Adaptive Frequency Control based Energy Savings & Memory Resiliency with Closed Loop Automation	WS5: 2nd SECRET Workshop - Secure Network Coding for Reduced Energy next Generation Mobile Small Cells	WS4: 5G Challenges for Wireless Communications for Railways		TUT3 & TUT4: Deep learning for 5G networks and IoT Connectivity Architecture Over the 5G Networks	Exhibition
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2019 IEEE 2nd 5G World Forum: Tuesday 1 October 2019

Plenary Sessions: Hall 2&3												
8:45 Dr. Robert Franke, City of Dresden												
8:50 Dr. Michael Bolle, <i>Bosch, IEEE 5G World Forum General Chair</i>												
9:10 Dr. Hannes Ametsreiter, <i>Vodafone Germany</i>												
9:30 Peter Reidel, <i>Rohde & Schwarz</i>												
10:50 Prof. Gerhard Fettweis & Prof. Frank Fitzek, <i>TU Dresden</i>												
10:30 Coffee Break & Exhibition												
	Conference Room 1	Conference Room 2	Conference Room 3	Conference Room 4	Conference Room 6	Seminar Room 1	Seminar Room 2	Seminar Room 4	Seminar Room 5	Seminar Room 6	Seminar Room 7	Great Hall & Hall 1
11:00	VERT2: 5G and Public Safety Communications - Road to implementation	TOP3: Energy Issues	IF1: Industry Perspectives for AI Applications in Future Wireless Communication Systems	INGR Roadmap Workshop - Open Session: Working Group Discussions	TOP6: Standards and Deployment	5G-AP: 5G Applications and Services	5G-TE: 5G Trials, Experimental Results and Deployment Scenarios	WS6: 2nd workshop on 5G-Trials - From 5G Experiments to Business Validation	WS3: From Evolution to Revolution, a Roadmap for Beyond 5G	Start-up Forum	TUT5: Critical Issues of Self-driving Cars Empowered by 5G	Exhibition
13:00 Lunch												
14:00	VERT2: 5G and Public Safety Communications - Road to implementation	TOP3: Energy Issues	TOP5: Security	INGR Roadmap Workshop - Open Session: Working Group Discussions	TOP6: Standards and Deployment	5G-IOT: 5G and IoT	5G-TE: 5G Trials, Experimental Results and Deployment Scenarios	WS6: 2nd workshop on 5G-Trials - From 5G Experiments to Business Validation	WS3: From Evolution to Revolution, a Roadmap for Beyond 5G	Start-up Forum	TUT6: 5G NG-RAN Positioning & TUT7: Automatic and big data - empowered system management	Exhibition
16:00 Coffee Break & Exhibition												
16:30	VERT2: 5G and Public Safety Communications - Road to implementation	TOP3: Energy Issues	TOP5: Security	INGR Roadmap Workshop - Open Session: Working Group Discussions	TOP6: Standards and Deployment	5G-V: 5G Special Verticals	5G-TE: 5G Trials, Experimental Results and Deployment Scenarios	WS6: 2nd workshop on 5G-Trials - From 5G Experiments to Business Validation	WS3: From Evolution to Revolution, a Roadmap for Beyond 5G	Start-up Forum	TUT8: Securing 5G Communications with Massive IoT	Exhibition

2019 IEEE 2nd 5G World Forum: Wednesday 2 October 2019

Plenary Sessions: Hall 2&3

8:30 Dr. John Cioffi, *Assia*

9:00 Dr. Chih-Lin I, *China Mobile*

9:30 Horst Fellner, *Spirent*

9:50 Fouad El Mernissi, *Axians*

10:10 Dr. Tim Hentschel, *Barkhausen Institut*

10:30 Coffee Break & Exhibition

	Conference Room 1	Conference Room 4	Conference Room 5	Conference Room 6	Seminar Room 1	Seminar Room 2	Seminar Room 4	Seminar Room 5	Seminar Room 7	Great Hall & Hall 1
11:00	TOP1: Energy Efficient 5G & IoT Radio Interface Architecture	INGR Roadmap Workshop - Open Session: Working Group Discussions	IF2: How can AI & 5G Work Synergistically to Empower Higher Education?	TOP2: Systems Optimization	5G-T: 5G Technologies	WIP: Work-in-Progress	WS1: 5G Applications and Services: Current Trends, Key Drivers, Challenges and Standardization	WS7: Work on Satellite and Non-Terrestrial Networks for 5G	TUT9: Softwarization Concepts and Practice in 5G Communication Systems and Beyond	Exhibition
13:00 Lunch										
14:00	TOP1: Energy Efficient 5G & IoT Radio Interface Architecture	INGR Roadmap Workshop - Open Session: Working Group Discussions			5G-T: 5G Technologies		WS1: 5G Applications and Services: Current Trends, Key Drivers, Challenges and Standardization	WS7: Work on Satellite and Non-Terrestrial Networks for 5G	TUT10: Tutorial on Real time Network analytics at 5G Edge & TUT11: SDN/NFV Based Low Latency And High Reliable Millimeter Wave Network	
16:00 Coffee Break										
16:30	TOP1: Energy Efficient 5G & IoT Radio Interface Architecture	INGR Roadmap Workshop - Open Session: Working Group Discussions					WS1: 5G Applications and Services: Current Trends, Key Drivers, Challenges and Standardization	WS7: Work on Satellite and Non-Terrestrial Networks for 5G	TUT12: Cellular Internet of Things: Framework, Optimization, and Challenges of NB-IoT	