IEEE 5G WORLD FORUM

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DAY 1 - Wednesday October 13 — ALL TIMES EASTERN

8:30 - 10:45 Eastern	10:40 --11:	11:00 - 13:00 EDT	13:00-14:00	14:00-16:00 EDT	16:00-16:30	16:30-18:30 EDT	
08:30 Welcome - Benoit Pelletier 08:35 Opening Remarks - Luc Sirois, General Chair 08:50 - Technical Program - Fabrice Labeau Plenary Keynotes: 09:00 Keynote 1 - Shen Jia, OPPO 09:30 Keynote 2 - Kaniz Mahdi, VMware 09:55 Keynote 3 - Vincent Poor, Princeton 10:20 Keynote 4 - Javan Erfanian, Bell Canada	Coffee Break	Worldwide 5G Industry Fora Session	Lunch	Worldwide 5G Industry Fora Session	Coffee Break	Worldwide 5G Industry Fora Session	Room 1
		The Path to 6G (Panel FP-8)		AI/ML driven 5G & beyond technology (Panel FP-9)		Existing and Emerging 5G Millimeter-Wave Radiation Technologies (Panel FP-4)	Room 2
		SLICES-RI (Vertical Track TV-2)		SLICES-RI (Vertical Track TV-2)			Room 3
		Optical Wireless Communication (OWC) (Vertical Track TV-3)		Optical Wireless Communication (OWC) (Vertical Track TV-3)		Workshop on AI-enabled Future Networks: A Cross-layer Perspective (WS-4)	Room 4
		5G ecosystem towards smarter and sustainable agriculture: opportunities and challenges (Vertical Track TV-7)		5G ecosystem towards smarter and sustainable agriculture: opportunities and challenges (Vertical Track TV-7)		Security challenges in military applications of 5G technology (Panel FP-5)	Room 5
		INGR Panel: Millimeter Wave and Massive MIMO - Deployment Challenges and New Trends (IP-1)		INGR Panel: Connecting the Unconnected and Satellite Networking Trends and Challenges (IP-2)		INGR Panel: Testbeds bridging the gap between Optical and radio hardware and applications (IP-3)	Room 6
		5G for Connected & Automated Mobility (CAM) Vertical Summit (Vertical Track TV-4)		5G for Connected & Automated Mobility (CAM) Vertical Summit (Vertical Track TV-4)		5G for Connected & Automated Mobility (CAM) Vertical Summit (Vertical Track TV-4)	Room 7
		Tutorial: Shaping Future 6G Core Networks - Understanding Evolution trends from 5G to 6G (TUT-11)		Technical Session 1		Technical Session 2	Room 8
		IPv6-based 5G, IoT, CC Industry Forum (Industry Panel FP-1)		IPv6-based 5G, IoT, CC Industry Forum (Industry Panel FP-1)		Systems Optimization for 5G and Beyond (Topical Track TV-13)	Room 9
		Tutorial: 5G Network Performance: Key Considerations & Open Challenges (TUT-1)		Tutorial: Authentication and Key Agreements in 2G, 3G, 4G, and 5G (TUT-2)		Tutorial: Homomorphic encryption over 5G networks (TUT-3)	Room 10

Color Code

- **Keynote**
- **Forum or Panel**
- **Tutorial**
- **Topical/Vertical**
- **INGR Panel**
- **Technical papers**
- **Workshop**
- **Exhibition/Demo**
- **Student/YP**

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DAY 2 - Thursday October 14 — ALL TIMES EASTERN

Color Code

Color	Category
Keynote
Forum or Panel
Tutorial
Topical/Vertical
INGR Panel
Technical papers
Workshop
Exhibition/Demo
Student/YP

09:00 - 10:40 Eastern	10:40 --11:00	11:00 - 13:00 EDT	13:00- 14:00	14:00-16:00 EDT	16:00- 16:30	16:30-18:30 EDT	
08:50 Welcome, Day 2 - Celia Desmond Plenary Keynotes: 09:00 Keynote 1 - Robert Kahn, CNRI 09:25 Keynote 2 - Peter Vetter, Nokia 09:50 Keynote 3 - Magnus Frodigh, Ericsson 10:15 Keynote 4 - Peiying Zhu, Huawei	Coffee Break	The Internet is broken: we need The Grid (Internet Evolution) (Panel FP-10)		Next G Mix Reality (Gaming + Media & Entertainment) (Panel FP-11)	Coffee Break	Cybersecurity - the priority of today & tomorrow (Panel FP-12)	Room 1
		The Next G sustainability & societal challenges (Panel FP13)		Future Networks Security, Privacy and Resilience Track (topical TV-10)		Future Networks Security, Privacy and Resilience Track (topical TV-10)	Room 2
		6G Vertical Summit (Vertical Track TV-1)		6G Vertical Summit (Vertical Track TV-1)		6G Must be Quantum (Panel FP-15)	Room 3
		INGR Panel: Deployment, Energy Efficiency, and Applications and Services Comprehensive Plans (IP-4)		INGR Panel: Combining Energy Efficiency and Systems Optimization for Network Sustainability (IP-5)		Architectural Evolution toward 6G Networks: A European View (workshop WS-2)	Room 4
		Reflecting Intelligent Surfaces for 5G and Beyond 5G (Topical Track TV-6)		Virtual Sudent Mentorship Program (sponsored by OPPO)		Workshop on Satellite and Non-Terrestrial Networks (WS-5)	Room 5
		RAN disaggregation – where are we heading? (Panel FP-6)		Tutorial: Reconfigurable Intelligent Surfaces for Future Wireless Communications (TUT-5)		Tutorial: Voice services in 5G - Deployment options and strategies (TUT-6)	Room 6
		Entrepreneurship and Innovations Forum (Industry Forum FP-3)		Entrepreneurship and Innovations Forum (Industry Forum FP-3)		Entrepreneurship and Innovations Forum (Industry Forum FP-3)	Room 7
		Technical Session 3		Technical Session 4		Tutorial: Evolution of Direct RF Sampling Technology - Recent Advances, Challenges, and the Road Ahead (TUT-15)	Room 8
		5G Smart Cities (Industry Panel FP-2)		5G Smart Cities (Industry Panel FP-2)		Tutorial: Blockchain, IoT and 5G – The Trio to Mitigate Current and Post COVID-19 Challenges (TUT-4)	Room 9
		IoT applications in Energy Sectors (Vertical Track TV-9)		IoT applications in Energy Sectors (Vertical Track TV-9)		Predictive Quality of Service in 5G and Beyond (workshop WS-3)	Room 10

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DAY 3 - Friday October 15			ALL TIMES EASTERN				
09:00 - 10:40 Eastern	**10:40 --11:**	**11:00 - 13:00 EDT**	**13:00- 14:00**	**14:00-16:00 EDT**	**16:00- 16:30**	**16:30-18:30 EDT**	
08:50 Welcome, Day 3 - Halim Yanikomeroglu Plenary Keynotes: 09:00 Keynote 1 - Muriel Medard, MIT 09:25 Keynote 2 - Sylvain Nadeau, EXFO 09:50 Keynote 3 - Juan Montojo, Qualcomm 10:15 Keynote 4 - Sumit Roy, U.S. Dept. of Defense	Coffee Break	Smart-Digital-Green Manufacturing Technology (Panel FP-16)	`	Technical Session 6	Coffee Break		Room 1
Color Code Keynote / Forum or Panel / Tutorial / Topical/Vertical / INGR Panel / Technical papers / Workshop / Exhibition/Demo / Student/YP		Healthcare and IoT (Vertical Track TV-8)		Tutorial: Achieving Global Connectivity Using Aerial and Space Networks (TUT-9)		Tutorial: Evolution of NOMA Toward Next Generation Multiple Access (TUT-12)	Room 2
		Blockchain- Enabling Verticals Summit (Vertical Track TV-5)		Blockchain- Enabling Verticals Summit (Vertical Track TV-5)		The Role of Frugal Technologies in Rural Connectivity (Topical track TV-12)	Room 3
		Secure end-to-end 5G cloud deployments (Panel FP-7)		The Race to 5G is Not Yet Won: Deployment Challenges and Industry Priorities (Panel FP-18)		Tutorial: 5G & Beyond: Addressing the Energy Challenge (TUT-14)	Room 4
		INGR Panel: Standardization update on INGR of FNI (IP-6)		INGR Panel: Edge Services, AI/ML, and Security Networking Trends and Challenges (IP-7)		Tutorial: 5G inclusive Unified Digital Infrastructure Architecture - Imperatives, Rationale, Approach (TUT-13)	Room 5
		Technical Session 5		Technical Session 7			Room 6
		Workshop on 5G Security: Current Trends, Challenges and New Enablers (WS-1)		Technical Track 8			Room 7
		Tutorial: Private 5G Deployment Challenges - Strategies & Use-Cases (TUT-7)		Tutorial: 6G Security and Privacy Vision Towards Reality (TUT-8)		Tutorial: R & D in 5G with NetSim (TUT-10)	Room 8
		Dialogues between 5G/B5G and Vertical Domains: AI for Intelligent Services (Vertical track TV-11)		Dialogues between 5G/B5G and Vertical Domains: AI for Intelligent Services (Vertical track TV-11)		Dialogues between 5G/B5G and Vertical Domains: AI for Intelligent Services (Vertical track TV-11)	Room 9
		Exhibition/Industry Demonstration		Exhibition/Industry Demonstration			Room 10