

Friday, January 12					
Location					
Reno	Laughlin I	Laughlin II	Laughlin III	Virginia City	
Registration 7:30 - 19:00					
8:30 - 10:00	Tutorial #1 2020: Toward Practical Quantum Networks	Tutorial #3 Internet based Network Programmability	Tutorial #6 Low Power Wide Area Networks	Tutorial #9 Connected Vehicles in the 5G Era	3rd Workshop on Ambient Assisted Living and Health
10:00 - 10:30	Networking & Coffee Break				
10:30 - 12:30	Tutorial #1 2020: Toward Practical Quantum Networks	Tutorial #3 Internet based Network Programmability	Tutorial #6 Low Power Wide Area Networks	Tutorial #9 Connected Vehicles in the 5G Era	3rd Workshop on Ambient Assisted Living and Health
12:30 - 13:30	Lunch (on your own)				
13:30 - 15:00	Tutorial #5 Towards Programmable Mobile Networks and Network Slicing	Tutorial #7 Virtualization of Internet of Things (IoT) and Big Data Paradigm in Consumer	Tutorial #6 Low Power Wide Area Networks	2nd Workshop on Game Theory in Computer Communications	3rd Workshop on Edge Computing
15:00 - 15:30	Networking & Coffee Break				
15:30 - 17:30	Tutorial #5 Towards Programmable Mobile Networks and Network Slicing	Tutorial #7 Virtualization of Internet of Things (IoT) and Big Data Paradigm in Consumer Application	Tutorial #6 Low Power Wide Area Networks	2nd Workshop on Game Theory in Computer Communications	3rd Workshop on Edge Computing
18:00 - 19:30	Opening Reception				

Saturday, January 13						
Location						
Reno	Laughlin I	Laughlin II	Laughlin III	Virginia City	Carson City I	
Registration 7:30 - 19:00						
8:15 - 9:30	General Session: Opening remarks and Keynote I Keynote Speaker: Jeff Voas, <i>NIST</i>					
9:30 - 10:00	Networking & Coffee Break					
10:00 - 12:00	Track 4: Wireless Communications: Fundamentals & PHY (I)	Track 5: Mobile & Wireless Networks (I)	Track 3: Wireless Communications: MAC & Cross-Layer Design	Track 9: Vehicular Comm. & Applications in Water, Land and Sky	Work-in-Progress (I)	Special-Sessions (I): Physical Layer Advances
12:00 - 13:00	Luncheon					
13:00 - 14:30	Track 4: Wireless Communications: Fundamentals & PHY (II)	Track 5: Mobile & Wireless Networks (II)	Track 2: Cloud Services & Networking	Track 1: Networking Solutions for Games, Multimedia, Social Good, & P2P Apps. (I)	Special-Sessions (II): New Approaches to MAC	Special-Sessions (III): Future Cellular Networks
14:30 - 15:00	Networking & Coffee Break					
15:00 - 16:30	Track 4: Wireless Communications: Fundamentals & PHY (III)	Track 5: Mobile & Wireless Networks (III)	Track 2: Cloud Services & Networking	Track 1: Networking Solutions for Games, Multimedia, Social Good, & P2P Apps. (II)	Special-Sessions (IV): Network Architecture Evolution	Special-Sessions (V): Advanced, Network- based Applications
16:30 - 17:00	Networking & Coffee Break					
17:00 - 18:30	Panel I Fog Computing and Networking – What’s Next? Moderator: Douglas Zuckerman, <i>IEEE Technology Time Machine Chair</i>					
18:30 - 20:00	Happy Hour and Posters					

Sunday, January 14						
Location						
Reno	Laughlin I	Laughlin II	Laughlin III	Virginia City		
Registration 7:30 - 19:00						
8:30 - 9:30	Plenary Session: Keynote II Keynote Speaker: Piero Bonissone, <i>Piero P Bonissone Analytics, LLC</i>					
9:30 - 10:00	Networking & Coffee Break					
10:00 - 12:00	Track 6: Sensing, Smart Spaces & IoT: Applications and QoE (I)	Track 5: Mobile & Wireless Networks (IV)	Track 10: Emerging Topics in Consumer Comm. & Networking (I)	Track 7: Security, Privacy & Content Protection (I)	Work-in-Progress (II)	
12:00 - 13:00	Luncheon					
13:00 - 14:00	Plenary Session: Keynote III Keynote Speaker: Yoshihiro Ohba, <i>Toshiba Electronics Asia (Singapore)</i>					
14:00 - 15:30	Coffee Break and Demonstrations/Posters					
15:30 - 17:00	Track 6: Sensing, Smart Spaces and IoT: Applications and QoE (II)	Track 8: Mobile and Wearable Devices, Services & Applications	Track 10: Emerging Topics in Consumer Comm. & Networking (II)	Track 7: Security, Privacy & Content Protection (II)	Special-Sessions (VI): Traffic Management and Control	
17:00 - 17:30	Networking & Coffee Break					
17:30 - 19:00	Panel II "Immersive Future" with New and Emerging Innovations and Predictions Moderator: Kathy Grise, <i>Senior Program Director, IEEE Future Directions</i>					
19:00 - 21:30	Banquet and Awards Ceremony (Jazz Band)					

Monday, January 15				
Location				
Reno	Laughlin I	Laughlin II	Laughlin III	
Registration 8:00 - 13:00				
8:30 - 10:00	Tutorial #2 Classification, Solutions, and Challenges of Denial of Service Attacks on the Smart Grid	Tutorial #4 A First-Principles Approach to Computer Networking	Tutorial #8 Scalable Approaches to Network Protocol and Architectures Design in New Generation Wireless	3rd Workshop on Accessible Devices and Services
10:00 - 10:30	Networking & Coffee Break			
10:30 - 12:30	Tutorial #2 Classification, Solutions, and Challenges of Denial of Service Attacks on the Smart Grid	Tutorial #4 A First-Principles Approach to Computer Networking	Tutorial #8 Scalable Approaches to Network Protocol and Architectures Design in New Generation Wireless Systems: Current State and Future	3rd Workshop on Accessible Devices and Services
12:30 - 13:00				