

IEEE Workshop on AI/ML in Networks and Cloud

Feb. 17, 2020

Rutgers University Inn and Conference Center
178 Ryders Lane
New Brunswick, New Jersey

AGENDA

Time	Topic	Presenter
08:00 – 08:50 AM	Registration, Coffee and Light Breakfast	
08:50 – 09:00 AM	Welcome Remarks	Workshop Chair
09:00 – 09:20 AM	Distributed learning with compressed communication	Christopher Matthew De Sa, Cornell University
09:20 – 09:40 AM	Deep learning for 360-degree video streaming	Yao Wang, NYU
09:40 – 10:00 AM	Deep Learning in the Edge-Cloud for COSMOS Smart Intersections	Zoran Kostic, Columbia University
10:00 – 10:20 AM	Machine Learning for Autonomous Driving	Urs Muller, NVIDIA
10:20 – 10:40 AM	Learning to Harness Bandwidth with Multi-Path TCP	Anwar Walid, Nokia Bell Labs
10:40 – 11:00 AM	Coffee Break	
11:00 – 11:20 AM	Anomaly Detection and Root Cause Analysis in Enterprise Systems	Haifeng Chen, NEC Labs
11:20 – 11:40 AM	The Cloud as a Hosting Infrastructure for IoT Intelligence	Ken Birman, Cornell University
11:40 – 12:00 PM	A Self-Optimizing Fabric for a 5G Connected World	David Krauss, Ciena
12:00 – 12:40 PM	Lunch	
12:40 – 01:00 PM	The Making of 5G with AI and Open Source	Mazin Gilbert, AT&T
01:00 – 01:20 PM	Learning at the Wireless Edge	Vincent Poor, Princeton University
01:20 – 01:40 PM	Supporting ML-Based Augmented Reality Applications in Mobile Edge Cloud Scenarios	Dipankar Raychaudhuri, WINLAB Rutgers University
01:40 – 02:00 PM	Visual recognition at the edge: challenges and opportunities	Bharath Hariharan, Cornell University
02:00 – 02:20 PM	Machine learning best practices and its applications in cable & telecommunication industries	Ranjit Jangam, Comcast
02:20 – 02:40 PM	AI Operations and It's Challenges	Ulrika Jägare, Ericsson
02:40 – 03:00 PM	ML-based Network Management of 5G Slices to meet SLAs	Sudhakar Reddy Patil, Verizon
03:00 – 03:20 PM	Coffee Break	
03:20 – 03:40 PM	How Comcast uses AI to Improve the Customer Experience	Hongcheng Wang, Comcast
03:40 – 04:00 PM	Business-to-Consumer Communications in the era of AI	Venkatesh Krishnaswamy, Koopid
04:00 – 04:20 PM	Wireless signal reception: A new look using AI	Harish Viswanathan, Nokia Bell Labs
04:20 – 04:40 PM	Using Cloud-based AI and ML for Effective Management of Wireless Access Points	Stuart Mackie, Juniper Networks
04:40 – 05:00 PM	The Age of Information: Edge cloud processing of real-time status updates	Roy Yates, WINLAB Rutgers University
05:00 – 05:20 PM	Physics-Informed Deep Neural Network Method for Limited Observability State Estimation	Jonathan Ostrometzky, Columbia University
05:20 – 05:30 PM	Closing Remarks	Workshop Chair