IEEE STANDARDS ASSOCIATION

IEEE ComSoc
IEEE Communications Society

2nd IEEE Winter School on Fog/Edge Computing 2020

Virtual School organized by **IIT Kanpur India**

Key Speakers

Abhay Karandikar
IIT Kanpur, India

Ananth Krishnan
TCS, India

Mathew Oommen
Reliance Jio, India

Yoshiki Sasaki
Japan Strategic, Japan

Tom Dailey
Dailey Strategic Advisors, USA

Flavio Bonomi
Nebbiolo Tech, USA

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SCOPE

Over the past decade, cloud computing has played a dominant role in supporting the applications we rely on today. Mobile networks have been acting mostly as communication pipes connecting users to the cloud and with each other. As we evolve toward the Internet of Things (IoT), our 5G/6G and future mobile networks must support a much wider range of applications, including vehicular networking, automated manufacturing, smart cities, drones, smart grids, e-health, and the many emerging AI-enabled applications such as Virtual Reality (VR) and Augmented Reality (AR). Future mobile networks will also require computing capabilities inside or close to the radio access networks (RANs) to enable advanced networking capabilities. Many new emerging services (such as V2V in Vehicular Telematics Services and e- Healthcare Services, and manufacturing industry 4.0) could be realized and implemented economically using these Fog/Edge technologies. In this context this two day winter school will address topics in conducting research for future 6G and next Generation IoT Services and Applications.

Free Registrations

Registration link 29-30 Dec
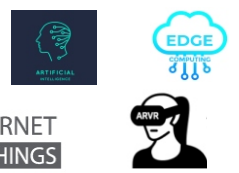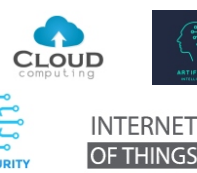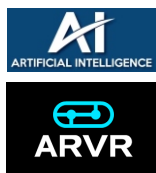www.iitk.ac.in/cce/comsoc-winter-school-20/registration.php

Image Source: google images

Program Schedule

DAY 1 (29th Dec 2020) NOTE: speakers from USA time zones would need to join on Dec 28, 2020

India Time	Speaker	Topic	Local Time
8.50 AM	Robert S. Fish, IEEE SA	Opening Remarks	🔴 5.20 PM HST USA
9.00 AM	Doug Zuckerman, IEEE Fog Industry Community	Opening Remarks	🔴 10.30 PM EST USA
9.10 AM	Abhay Karandikar, IIT Kanpur, India	Inaugural Address: Fog Computing in 5G and Beyond	9.10 AM India
9.30 AM	Tao Zhang, NIST, USA	Keynote 1: Edge Computing: Where we are headed ?	🔴 11.00 PM EST USA
10.00 AM	Robert Bohn, NIST, USA	Talk 1: Fog and Cloud Computing	🔴 11.30 PM EST USA
10.30 AM	Flavio Bonomi, Nebbiolo Tech, USA	Talk 2: Inception of Fog/Edge Computing	🔴 9.00 PM PST USA
11.00 AM	Gopi Srineni, Axido, USA	Talk 3: Cyber Security Product	🔴 9.30 PM PST USA
11.30 AM	Junshan Zhang, ASU, USA	Talk 4: Edge AI	🔴 10.00 PM MT USA
12.00 PM	BREAK		
12.30 PM	Ananth Krishnan, TCS, India	Keynote 2: Connected Intelligence at Edge	12.30 PM India
1.00 PM	Mathew Oommen, Reliance Jio, India	Keynote 3: 5G @ Jio	1.00 PM India
1.30 PM	Wendy Wen, UESTC, China	Talk 5: Efficiency and Security for Edge Computing Assisted Smart Grids	4.00 PM China
2.00 PM	Jianwei Huang, The Chinese University of Hong Kong, Shenzhen	Talk 6: Migrating from Federated Learning to Fog Learning	4.30 PM HK
2.30 PM	Rohit Budhiraja, IIT Kanpur, India	Talk 7: Indian 5G Test Bed	2.30 PM India
3.00 PM	Flavio Cirillo, NEC , Germany	Talk 8: Edge Data Analytics	10.30 AM Germany
3.30 PM	Gurkan Solmaz, NEC, Germany	Talk 9: Multi-modal data analytics at Edge	11.00 AM Germany
4.00 PM	Leandros Maglaras, Montfort Univ, UK	Talk 10: Cyber Security	10.30 AM UK
4.30 PM	Kaushik Pillalamarri, Smartiply, USA	Talk 11: Fog Computing Startup	6.00 AM EST USA

DAY 2 (30th Dec 2020) NOTE: speakers from USA time zones would need to join on Dec 29, 2020

India Time	Speaker	Topic	Local Time
9.00 AM	Tom Dailey, DSA, USA	Keynote 4: 5G as an Innovation Driver	🔴 10.30 PM EST USA
9.30 AM	Christopher Brinton, Purdue, USA	Talk 12: Migrating from Federated Learning to Fog Learning	🔴 11.00 PM EST USA
10.00 AM	Shamik Basu, Verizon, USA	Talk 13: IoT Innovations	🔴 11.30 PM EST USA
10.30 AM	Sandeep Chandel, Ericsson, USA	Talk 14: 5G Ecosystem	🔴 11.00 PM CST USA
11.00 AM	Rahul Karnik, Ericsson, USA	Talk 15: Voice over NR (VoNR)	🔴 11.30 PM CST USA
11.30 AM	Sandeep Shukla, IIT Kanpur, India	Talk 16: Cyber Security	11.30 AM India
12.00 PM	BREAK		
12.30 PM	Yoshiki Sasaki, Japan Strategic, Japan	Keynote 5: Ageing Society and Innovations	4.00 PM Japan
1.00 PM	Hung-Yu Wei, NTU, Taiwan	Talk 18: Challenges and Opportunities in Edge/Fog Management and Orchestration	3.30 PM Taiwan
1.30 PM	Yang Yang, ShanghaiTech University, China	Talk 19: Scheduling of Multiple Tasks among Multiple Helpers in Fog/Edge Networks	4.00 PM China
2.00 PM	Zack Chen, Omnieyes, Taiwan	Talk 20: Video Analytics & AI	4.30 PM Taiwan
2.30 PM	Tomasz Zernicki, Zylia, Poland	Talk 21: AR/VR Applications	10.00 AM Poland
3.00 PM	Anurag Saxena, Linkcoz, UK	Talk 22: Innovation in Africa – Potential to Collaborate	10.00 AM UK
3.30 PM	Prashant Gokarn, DigiAsia, Singapore	Talk 23: Technology Investments & Go-to-market	6:00 PM Singapre
4:00 PM	Rajesh Hegde, IIT Kanpur, India	What's next in 2021	4:00 PM India