

**CONFERENCE DAY 2 – 03 MARCH 2021 - WORKSHOP
5G FOR SMART UTILITIES AND SMART CITIES**

in Partnership with Telecommunications Standards Development Society, India

Venue & Time

Venue	Workshop Hall
Time	New York 00:30- 02:30 Paris 06:30- 08:30 India 11:00 - 13:00 Tokyo 14:30- 16:30

Session Background

Communication infrastructure, coupled with IoT technologies, is an essential component for making utilities and cities “smart”. ITU’s IMT2020 standards (aka 5G) focus on 3 pillars of new capability - Ultra Reliable Low Latency Communication (URLLC), enhanced Mobile Broadband (eMBB) and Massive Machine Type Communications (mMTC). The new 5G capabilities are crucial for realizing the full benefits for smart utilities and smart cities. The ITU Radio communication Sector (ITU-R) has recently published Recommendation ITU-R M.2150 (Detailed specifications of the radio interfaces of IMT-2020). One of the 3 technologies to be approved is 5Gi, developed by Telecommunications Standards Development Society, India (TSDSI), India’s Telecom SDO. Further, the Government of India has recently adopted TSDSI’s transposed oneM2M standards as national standards for IoT/M2M technologies. These milestones are significant for implementation of standards-based solutions for various use cases and industry segments. This session will look at the enablement for smart utilities and smart cities from the arriving 5G technologies and the new standards. Experts will discuss the 5G features and share experiences from early trials/ deployments.

Discussion Points

1. 5G Applied to Smart Utilities and Smart Cities
2. oneM2M for Smart Utilities and Smart Cities
3. Communication Infrastructure and IoT Technologies for Smart Cities

11:00 ~ 11:15	Inaugural Session Welcome Address: Reji Kumar Pillai, ISGF
11:15 ~ 11:30	SESSION 1: 5G Applied to Smart Utilities and Smart Cities Speaker: Satish Jamadagni, Vice Chairman-TSDSI and Vice President-Reliance JIO
11:30 ~ 11:45	SESSION 2: oneM2M for Smart Utilities and Smart Cities Speaker: Sachin Chaudhari, Asst. Professor, IIIT Hyderabad
11:45 ~ 12:45	SESSION 3: Panel Discussion Moderator: Sharad Arora, Co-Chair TSDSI Outreach Committee and Governing Council Member and Founder and Managing Director, Sensorise Digital Services Participants:Kiran Kuchi, Professor, IIT Hyderabad <ol style="list-style-type: none"> 1. Kiran Kuchi, Professor, IIT Hyderabad 2. Subhas Mondal, Governing Council Member, TSDSI and Wipro Fellow & Chief Architect-5G, Wipro 3. Amarjeet Kumar, CEO – Shrama Technologies 4. Hem Thukral, Smart Grid Expert, Ernst & Young
12:45 ~ 13:00	SESSION 4: Key Takeaways and Closing Remarks Sharad Arora, Co-Chair TSDSI Outreach Committee and Governing Council Member (Founder and Managing Director, Sensorise Digital Services Pvt Ltd)