

Workshop on “Last-mile” Challenges in Smart Infrastructure (LastMileS)

Held in conjunction with IEEE ANTS 2017

19 December 2017 | 9:00 AM – 5:30 PM

C.V. Raman College of Engineering, Bhubaneswar, Odisha, India

Workshop Description :

The world is undergoing an unprecedented pace of urbanization; and if present trends continue, the world urban population will rise at a phenomenal rate in the next few years. This rapid scale of urbanization will need smarter, sustainable cities based on smart infrastructure that are able to effectively and efficiently manage city utilities and services for its citizens.

Electric grids, water distribution systems, transportation systems, communication infrastructure, waste treatment plants, commercial buildings, hospitals, homes and education centers are existing vital facilities and infrastructure components that shape the liveability standard of a city. In the future, newer infrastructures and services will also bring benefits and create opportunities of added value to its citizens. An efficient and effective management of these existing and new city-wide systems' requires DIGITAL TRANSFORMATION and HARMONIZATION of its traditional infrastructure.

The 1st edition of **LastMileS workshop @ IEEE ANTS 2017 - organized in partnership with the Bureau of Indian Standards (BIS) and the Telecommunications Standards Development Society, India (TSDSI)** - is an iconic platform where technology, techno-commercial and governance aspects will converge under the overarching theme of “**Last-mile challenges in Smart Infrastructure**”.

LastMileS will bring together practitioners, smart-city stakeholders and thought-leaders to present their latest achievements and innovations in the area of: *an India appropriate “last-mile” communication, networking, and data transfer framework*; which shall enable digital transformation and harmonization of smart infrastructure and help bring down the CAPEX and OPEX in the upcoming smart cities deployments.

As we are launching the first edition of this workshop, we will only have invited talks; and we plan to draft a WHITEPAPER compiled from the discussions and insights provided by speakers and attendees.

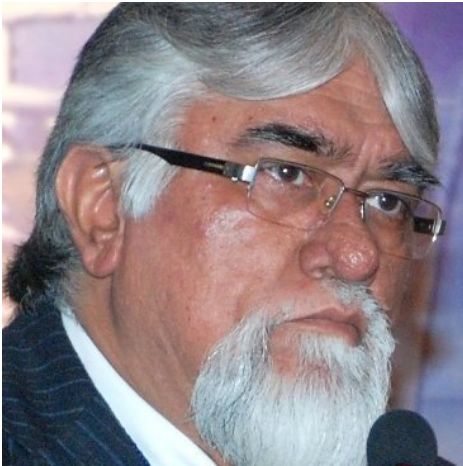
Workshop Co-chairs:

- Dr. Prasant Misra (TCS R&I)
- Dr. Samar Shailendra (TCS R&I)
- Dr. Hemant Rath (TCS R&I)

Workshop Agenda

Time	Topic	Speaker(s)
09:00 - 09:15	Welcome Address	Workshop Co-chairs
09:15 - 10:00	Keynote	Kishor Narang Convenor, Smart Infrastructure Panel LITDC/P2, Bureau of Indian Standards Founder, Narnix Technolabs https://www.linkedin.com/in/kishornarnix/
Session - I : Applications Requirements		
10:00 - 10:30	App - I: Smart Infrastructure Application Requirements	Sushil Kumar Deputy Director General (IoT) - TEC DoT, Government of India https://www.linkedin.com/in/sushil-kumar-98895560/
10:30 - 11:00	Tea/Coffee Break	
11:00 - 12:00	IEEE ANTS - Main Conference - Keynote	
12:00 - 13:00	IEEE ANTS - Main Conference - Industry Talks	
13:00 - 14:00	Lunch Break	
Session - II : Applications Requirements		
14:00 - 14:15	Takeaway - I: Application to Technical Requirement Mapping	Dr. Prasant Misra Scientist, Embedded Systems & Robotics, TCS R&I https://www.linkedin.com/in/prasantmisra/
Session - III : Technology Scoping		
14:15 - 14:45	Tech - I: Communication & Networks	Amarjeet Kumar CTO and MD, ProCubed Inc. Vice-chair IEEE 802.15.4u https://www.linkedin.com/in/amarjeet-kumar-3bab06a/
14:45 - 15:00	Tech - II: Application & Messaging	Dr. Samar Shailendra Scientist, Embedded Systems & Robotics, TCS R&I https://www.linkedin.com/in/samarshailendra/
15:00 - 15:30	Tech - III: Security	Vijay Madan Advisor (Services and Solutions), TSDSI https://www.linkedin.com/in/vijay-madan-934603144/
15:30 - 16:00	Tea/Coffee Break	
Session - IV : Standardisation Preview		
16:00 - 17:15	Panel - I : Imperatives of "LastMile" Harmonization	1. Sri Chandrasekaran Director, IEEE-SA India 2. Prof. Debabrata Das Professor, IIIT Bangalore https://www.iiitb.ac.in/faculty_page.php?name=debratadas 3. Kishor Narang Founder, Narnix Technolabs 4. Dr. Hemant Rath Senior Scientist, Embedded Systems & Robotics, TCS R&I
17:15 - 17:30	Closing Remarks	Workshop Co-chairs

Workshop Speakers



Kishor Narang

Convenor,
Smart Infrastructure Panel LITDC/P2, Bureau of Indian Standards |
Founder, Narnix Technolabs
<https://www.linkedin.com/in/kishornarnix/>



Sushil Kumar

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Prof. Debabrata Das

Professor, IIIT Bangalore

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Sri Chandrasekaran

Director, IEEE-SA India



Dr. Samar Shailendra

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Dr. Hemant Kumar Rath

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Dr. Prasant Misra

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