

Workshop on 5G Specifications & Standardization by Industry Experts

Organized By

Centre of Next Generation Communication and Networking
(C-NGCN), ECE Department, LNMIIT, Jaipur

About the workshop

The 5G standardization process is complex and highly innovative. To develop a standard that meets the needs of different industries and the society, collaborations with academia and telecom industries is needed.

- Interaction with industry experts from Qualcomm, Nokia, Intel and Ericsson, with a motive to discuss upon the recent trends in the Telecom sector.
- To make students familiar with standardisation, technology development and deployment scenarios of 5G technology.
- To brief the students about the tools and Simulator used for testing 5G specifications.
- Provide hands-on development and coding.
- Also, it is a next step towards industry-academia collaborative association under the Cellular Operators Association of India (COAI)

Date of — 23rd – 24th
Workshop — April 2019

Venue — LT5, LNMIIT

SPEAKERS

Dr. Vinosh James

(Assoc. Director -Tech. Stds, Qualcomm, Bengaluru)

Dr. Punit Rathod

(Sr. Wireless Technologist, Intel Corp., Bengaluru)

Dr. Sendil Kumar

(Standardisation engineer in Ericsson Comm.)

Mr. Srinivasan Selvaganapathy

(Specification Architect at Nokia Networks)

Workshop on 5G Specifications & Standardization by Industry Experts

(April 23-24, 2019)



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**Centre of Next Generation Communication and
Networking (C-NGCN),
ECE Department, LNMIIT, Jaipur**

About the Workshop

This workshop is being organized as the successful conclusion of Design Lab-2 currently running in ECE Department for Y-16 batch.

The 5G standardization process is complex and highly innovative. To develop a standard that meets the needs of different industries and the society, collaborations with academia and telecom industries is needed.

Moreover, following are the other **objectives** of this workshop:

- Interaction with industry experts from Qualcomm, Nokia, Intel and Ericsson, with a motive to discuss upon the recent trends in the Telecom sector.
- To make students familiar with standardisation, technology development and deployment scenarios of 5G technology.
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- Provide hands-on development and coding.
- Also, it is a next step towards industry-academia collaborative association under the Cellular Operators Association of India (COAI)

Speaker Profile

Dr. Vinosh James

Dr. Vinosh James is presently serving as an Associate Director of Technical Standards with Qualcomm, working on 5G technology standards, exploring viable use cases and business needs. He has over 14 years of rich experience in new wireless technologies, cellular system design, technical standards, ecosystem & IP. He specialize on cellular networks, and hold a Ph.D. in Electrical Engineering from IIT Madras.

Dr. Senthil Kumar

Dr. Senthil Kumar is currently working as a Standardisation engineer in Ericsson Communications. He received his Ph.D. from the Indian Institute of Technology, Madras. He lead and drive the technical work in TSDSI (Indian SDO) and relevant global SDOs for the Wireless/Radio domain which includes mobile & adjacent technology with Ericsson standardization. Responsible for close interface with Ericsson's global group function Standards & Research, operator co-ordination on standard, Co-operation partners, academia and external industry on standardization aspects.

Speaker Profile

Dr. Punit Rathod

Dr. Punit Rathod is a Research Scientist with the Next Generation and Standards Group of Intel and works on prototyping and path finding activities. Prior to this, he has dabbled with entrepreneurship for a brief time in his start-up on emergency communications and a researcher in the IIT Bombay for LTE-WiFi inter working. He has represented IIT Bombay at the 3GPP RAN2 wireless standards meetings. He has done his PhD from IIT Bombay and has been working in the wireless networking domain specifically on resource scheduling, network protocols, testbeds and performance analysis for more than a decade.

Mr. Srinivasan Selvaganapathy

Mr. Srinivasan is the Specification Architect at Nokia Networks, where he is responsible for cellular network standardisation and product development. He is currently working on CloT standardisation topics for EC-GSM-IoT and is the lead for Rel-14 Radio Interface Enhancements for EC-GSM-IoT in 3GPP standardisation. He has filed and published more than 50 Patents related to CloT, LTE and Small cell standardisation. Prior to Nokia, he has worked with Sasken Technologies and DSQ Software.

Program Schedule

First Day (23/04/2019)

Time	Session
10:30-12:30	Talk on 5G Standardization
12:30-14:30	Lunch & Discussion
14:30-15:30	Talk on 3GPP NR Specification
15:30-15:45	High Tea
15:45-16:45	Talk on IMT2020 Evaluation Workflow
16:45-17:45	Presentation by LNMIIT students (Design Lab 2)

Second Day (24/04/2019)

Time	Session
10:00-11:00	Talk on 5GIF Submission Plan
11:00-12:30	Tools and Simulators Walkthrough
12:30-14:30	Lunch & Discussion
14:30-16:00	Hands on Development and Coding
16:00-16:30	High Tea
16:30-17:00	Work Distribution to Students