

Workshop on “Standards-driven Research” @ NCC 2024 on 28 February 2024 at IIT Madras

February 28, 2024 @ 09:00 AM - 5:30 PM

tsdsi10
India's Telecom SDO
Years of developing
ICT Standards

Workshop on
**Standards-driven Research
@ NCC 2024**

28th February 2024
09:00 to 17:30 IST
IIT Madras

Scan to Register

The standardization process involves several years of deep research and technical discussions among various parties to ensure a technically sound description is defined as a specification. Standards also enable research being carried out in institutes to be adopted for practical use. Research & innovation motivates standardization, and standardization of solutions requires further research & innovation, thereby keeping this cycle active.

TSDSI has been championing standards driven research in the India ecosystem so as to channelise research -> IP -> Standards that will result in India taking a leadership position on the global standards arena and also monetization of IP. We have been conducting workshops on this theme (SdDR) regularly in the community – including in IEEE ANTS, COMSNETS and NCC conferences.

We are organising a Standards-driven Research Workshop under the aegis of NCC 2024 on 28 February 2024 at IIT Madras campus. Its goal is to engage with academia & research community and motivating them to take up research topics that can lead to downstream development of standards. This will help channelise the vast research expertise in India and also help in seeding the IP created during research into standards- thus opening avenues for monetizing the same. This will also help to discuss topics that can be candidates for contributing to standards.

Details of the Workshop are as follows:

Workshop Co-Chairs: Pranav Jha (IIT Bombay), Radha Krishna Ganti (IIT Madras)

Schedule: 28 February 2024, 09:00 to 17:30 IST

Venue: IIT Madras (in-person)

For Registration, please [click here](#)

Program Agenda

TIME (IST)	SESSION NAME	SPEAKERS
09:00 - 09:15	Welcome remarks and context setting	Pranav Jha (IIT Bombay)
09:15 - 11:00	Research topics with a potential for standardization	Ramya T. R (CEWiT) for 3GPP - [25 minutes] Jishnu Aravindakshan for ITU-R - [25 minutes] Vishnu Ram OV for ITU-T - [25 minutes] Paventhan Arumugam (ERNET India) for TSDSI - [25 minutes]
11:00 - 11:20	TEA BREAK	
11:20 - 12:20	Government initiatives for promoting research leading to contribution to Standards	R.K. Pathak (Bharat 6G Alliance) - [30 minutes] Brajesh Mishra (C-DOT) - [30 minutes]
12:20 - 13:15	Panel Discussion on need for SDR and mechanisms available for the same	Moderator: Pranav Jha (IIT Bombay) Panelists: <ul style="list-style-type: none"> • Brajesh Mishra (C-DOT) • Jishnu Aravindakshan (Tejas Networks) • Manikantan Srinivasan (NEC India) • Sameer Kulkarni (IIT Gandhinagar) • Vishnu Ram OV (TSDSI)
13:15 - 14:00	LUNCH	
14:00 - 14:30	Demonstrating the utility of tools for standards driven research	Gigayasa Wireless
14:30 - 15:00	How to leverage our research for standards	Vishnu Ram OV (TSDSI)
15:00 - 15:25	Case studies of research-based contributions to standards	Pranav Jha (IIT Bombay)
15:25 - 15:45	TEA BREAK	
15:45 - 17:15	O-RAN (Open RAN) standardization and associated research challenges.	Manikantan Srinivasan (NEC India) Kokila Jagadeesan (NEC India)
17:15 - 17:30	Concluding remarks	Radha Krishna Ganti (IIT Madras)

Workshop Contact: Jaskirat Singh (jaskirat.singh@tsdsi.in)

**** About NCC ****

The National Conference on Communications (NCC) is a flagship conference of India in the area of Communications, Signal Processing and Networks. It has been organized every year, starting from the year 1995, by the Joint Telematics Group (JTG) of the Indian Institutes of Technology and the Indian Institute of Science. The Thirtieth National Conference on Communications (NCC-2024) will be jointly organized by Indian Institute of Technology, Madras and Indian Institute of Technology, Tirupati from 28 February - 2 March 2024. The conference will be held in-person at IIT Madras.