



Sustainable Communications for Renaissance

Call for Papers

The Second IEEE Workshop on SIGNIS: Softwarized Next Generation Networks for IoT Services

SCOPE

The workshop on Softwarized Next Generation Networks for IoT Services (SIGNIS) intends to leverage communication, softwarization, and learning for provisioning IoT services, with the integration of different platforms such as cloud and fog/edge computing platforms in handling the heterogeneous and numerous IoT traffic generated in the network of 6G and beyond, along with the different network architectures such as Information- and Service-Centric Networking (ICN and SCN) including Service-Oriented Network Architecture (SONA). SIGNIS aims to bring together researchers working not only on improving the network infrastructure to accommodate IoT services but also on realizing real-time IoT services in various domains such as smart cities, smart grid, vehicular networks, underwater networks, and so on.

TOPICS OF INTEREST

We seek original completed and unpublished work not currently under review by any other journal/ magazine/conference. Topics of interest include, but are not limited to:

- Provisioning IoT services in 6G and beyond network architecture
- Softwarization of next-generation networks
- Slicing to support heterogeneous IoT services
- Network function virtualization (NFV) in the context of IoT services
- Provisioning virtualized IoT services
- Exploring ML and AI for enabling real-time IoT services
- Resource orchestration in cloud, fog, edge networks for enabling IoT-services
- Network management in ICN and SCN for IoT
- Smart grid communication for heterogeneous and sporadic IoT services
- Enabling heterogeneous and sporadic IoT services using vehicular networks
- Transport layer issues in provisioning IoT services
- Supporting multimedia-enabled IoT services
- Business perspective of provisioning IoT services

PAPER SUBMISSION

All papers for Workshops should be submitted via EDAS.
Full instructions on how to submit papers are provided on the IEEE ICC 2023 website:
<https://icc2023.ieee-icc.org/>

WORKSHOP CO-CHAIRS

Sudip Misra
Indian Institute of Technology
Kharagpur, India
Paolo Bellavista
University of Bologna, Italy
Ayan Mondal
Indian Institute of Technology Indore,
India
Arijit Roy
Indian Institute of Information
Technology Sri City, India

MAIN CONTACT

Ayan Mondal
ayanm@iiti.ac.in
Arijit Roy
arijit.r@iiits.in

IMPORTANT DATES

Paper Submission Deadline:
20 January 2023
Paper Acceptance Notification:
6 March 2023
**Camera Ready and Registration for
accepted papers:**
15 March 2023

WEBPAGE LINK

icc2023.ieee-icc.org