WORKSHOP HOME

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). SNGIS 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. The authors are expected to share their new ideas, latest findings, and results in the following topics but 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 provision IoT services
- Supporting multimedia-enabled IoT services
- Business perspective of provisioning IoT services

Important Dates

Paper submission deadline: July 5, 2021
Notification of acceptance: September 15, 2021
Camera-ready papers: November 15, 2021

Submission link

To be updated

External Site Link

https://signis2021.github.io/

COMMITTEES

Workshop Organizers

- **Ayan Mondal,** University of Rennes, Inria, CNRS, IRISA, France
- **Arijit Roy,** University of Luxembourg, Luxembourg
- **Sudip Misra,** FNASc (India), FIETE (India), FIET (UK), FRSPH (UK), IIT Kharagpur, India

TPC Members

- **Xavier Fernando**, Ryerson University, Canada
- **Tomohiko Taniguchi**, Fujitsu Labs, Japan
- **Walid Saad**, Virginia Tech, USA
- **Junyu Lai**, University of Electronic Science and Technology of China, China
- **Sherali Zeadally**, University of Kentucky, USA
- **Barun Kumar Saha**, Hitachi ABB Power Grids, India
- **Anandarup Mukherjee**, University of Cambridge, UK
- **Farid Nait-Abdesselam**, University of Missouri, Kansas City, USA
- **Guillaume Pierre**, University of Rennes, Inria, CNRS, IRISA
- **Ilora Maity**, Aalto University, Finland
- **Petros Nicopolitidis**, Aristotle University of Thessaloniki, Greece
- **Nidal Nasser**, Alfaisal University, Saudi Arabia
- **Arif Ahmed**, Experienced Researcher, Ericsson, Sweden
- **Sagar Naik**, University of Waterloo, Canada
- **Bibudhendu Pati**, Rama Devi Women's University, Bhubaneswar, India
- **Chhabi Rani Panigrahi**, Rama Devi Women's University, Bhubaneswar, India
- **Nikos Parlavantzas**, INSA Rennes, IRISA, Inria, France
- **Amiya Nayak**, University of Ottawa, Canada
- **François Lemercier**, CNRS, IRISA, France

PROGRAM

To be updated

CALL FOR PAPERS

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SUBMISSIONS

IMPORTANT DATES

Workshop Papers Due: 05 July 2021
Workshop Papers Acceptance Notification: 15 September 2021
Final Camera-Ready Paper Due: 15 November 2021

Workshop date: To be updated

Link for submission: To be updated