

21st Swedish National Computer Networking and Cloud Computing Workshop

Call for Papers

SCOPE. SN CNW is a creative and informal Swedish forum dedicated to computer communication, networking and cloud computing. The scope of SN CNW covers all technical aspects of computer networks, cloud and edge computing, Internet-of-Things, distributed systems, and their associated computing platforms and applications. Academic papers should emphasize research advances, while industrial papers may focus on practical implementation, deployment, and evaluation.

TOPICS

- ❖ AI/ML for networking, cloud, and edge systems
- ❖ 5G Advanced, 6G, and non-terrestrial networks
- ❖ Testbeds and real-world deployments
- ❖ Interoperability and open standards
- ❖ Cloud/Fog/Edge Computing Architectures and Applications
- ❖ Industrial Internet of Things (IIoT)
- ❖ Connected and autonomous mobility
- ❖ Security, privacy, and trustworthy systems
- ❖ Sustainable and energy-efficient digital infrastructure
- ❖ Network architectures, protocols, and programmability
- ❖ Time-Sensitive Networking
- ❖ Spectrum technologies and software-defined networking
- ❖ Distributed storage and data platforms
- ❖ Digital twins and real-time systems
- ❖ Communications in application domains with particular requirements (Smart Cities, Smart Grid, Smart Transportation, Smart Health, Ambient Assisted Living, Smart Building/Smart Home, Smart Agriculture, etc.)
- ❖ Positioning and sensing systems
- ❖ XR and emerging networked applications
- ❖ Network measurement, monitoring, and experimentation
- ❖ Hardware design for computing and communication
- ❖ Communication in Cyber-Physical Systems and Distributed Control Systems
- ❖ Resilience, fault tolerance, reliability and availability for mission-critical networks
- ❖ Quantum communication and emerging technologies
- ❖ Automotive Control and Transportation Systems
- ❖ Wired and Wireless Communication Systems and Technologies for Industrial Automation
- ❖ Network management including management for heterogeneous networks

❖ **AIM.** SN CNW's main objective is to bring together researchers, practitioners, scientists, and engineers within these areas to foster idea generation, innovation, and collaboration, thereby strengthening these fields in Sweden.

❖ **WORKSHOP FORMAT.** A broad range of submissions is welcome, including position papers, expressing ideas and new research directions, and papers describing work-in-progress. All submitted papers will undergo a formal review process. The goal is to ensure that the program reflects ongoing national research and development efforts and to provide constructive feedback to the authors.

Steering Committee

- Bengt Ahlgren, RISE
- Anna Brunström, Karlstad University
- Rashid Ali, University West
- Börje Ohlman, Ohlman Idé & Evenemangs konsulter AB

Program Co-Chairs

- Zenepe Satka, Mälardalen University
- Muhammad Tahir Abbas, Toyota Material Handling

Local Organizers

- Mairton Barros, Uppsala University
- Christian Rohner, Uppsala University

Important Dates

Paper Registration Deadline April 7
 Paper Submission Deadline April 10
 Acceptance Notification May 21
 Camera-ready version June 4

