



11th IEEE International Conference on Network Softwarization  
23–27 June 2025 // Budapest, Hungary  
*Sustainable and secure networks for distributed AI and compute*



## Call for Papers

IEEE NetSoft, the premier International Conference on Network Softwarization, addresses advanced research challenges and opportunities raised by the overall transformation trend of network “softwarization”, which has been revolutionizing the networking field and has accelerated its convergence with adjacent industries.

NetSoft 2025 will feature technical paper presentations, keynotes, panels, tutorials, workshops, demos, posters and PhD symposiums from world-leading experts representing service providers, vendors, research institutes, open-source projects, and academia.

### Topic of Interest

The conference is soliciting paper submissions with significant research contributions to network softwarization. The topics of interest include, but are not limited to:

#### **Network softwarization for ...**

- 5G/6G
- network slicing and slice management
- Internet of Things (IoT)
- QoS and QoE
- Service Function Chaining (SFC)
- cognitive and autonomic networking
- policy-based and Intent-based networking
- eXtended Reality (AR/VR/ER and digital twins)
- Future Internet and New IP architectures
- new value chains and service models
- dynamic resource discovery and negotiation schemes
- cooperative multi-domain, multi-tenant SDN/NFV environments
- deterministic or dependable networking
- high-precision communications and computing
- Internet re-engineering

#### **or**

- Security, Safety, Trust, and Privacy
- Programmable SDN and NFV: languages and architectures (P4 and others)
- Open source
- Softwarized cloud, fog, and edge infrastructures
- Resilience, reliability, and robustness
- Assurance and Measurements
- Abstractions and virtualization of resources, services, and functions
- Sustainability, energy efficiency, and carbon emissions
- Programmable Networking Protocols
- Deployment and transition strategies
- Experience reports from experimental testbeds and deployments
- Hardware acceleration

#### **... in softwarized network**

#### **or**

- Artificial intelligence (AI) and Machine Learning (ML) techniques
- Applications of Generative AI
- Socio-economic impact and regulations
- Development methodologies (DevOps, NetOps, Verification)

#### **... for softwarized network**

### Paper Submission

Prospective authors are invited to submit high-quality original technical papers for presentation at the conference and publication in the NetSoft 2025 Proceedings. All submissions must be written in English and must use the standard IEEE two-column conference template. Technical Papers can be of two types: Full or Short papers, up to 9 and 5 pages respectively, including references and all other material.

Submission link: <https://edas.info/N32824>

### Important Dates

Paper submission deadline: **January 7, 2025**  
Acceptance notification: **March 20, 2025**  
Camera-ready paper: **April 28, 2025**

### Conference Website

<https://netsoft2025.ieee-netsoft.org/>

### TPC Co-chairs

**Carol Fung**, *Concordia University, Canada*  
**Massimo Tornatore**, *Politecnico di Milano, Italy*  
**Robert Szabo**, *Ericsson, Hungary*

### General Co-chairs

**Pal Varga**, *Budapest University of Technology and Economics, Hungary*  
**Walter Cerroni**, *University of Bologna, Italy*