

# IFIP Networking 2021

Espoo, Finland

June 21–24, 2021

Website: <https://networking.ifip.org/2021>

The International Federation for Information Processing (IFIP) Networking 2021 Conference (IFIP NETWORKING 2021) will be held in Aalto University, Espoo, Finland. This is the 20th event of the series, sponsored by the IFIP Technical Committee on Communication Systems (TC6). Accepted papers will be published in the IFIP Digital Library and collected by the IEEE Xplore Digital Library. High quality papers will be recommended for fast track publications in selected journals.

The main objective of Networking 2021 is to bring together academic and industrial experts of the networking community to discuss the most recent advances in networking, to highlight key issues, identify trends, and develop a vision of the future Internet and wireless networking from the usage, design, deployment and operation standpoints.

Networking 2020 technical sessions will be structured around the following areas, although we also encourage submissions on other relevant areas:

- Network Architectures, Applications and Services
  - Network automation and management
  - Software-defined networking (SDN)
  - Artificial intelligence and networking
  - Service function chaining
  - (Multi-tenant) network slicing
  - Drone networking and unmanned technology-based services and applications
  - Protective and collaborative networking
  - Internet of Things (IoT) and crowdsensing/crowdsourcing
  - Trustworthy and multi-metric routing
  - Quantum communications
  - Fog and edge computing
  - Heterogeneous and integrated networks
  - Tbit/s optical networking
  - Overlay and P2P networks
  - Evolution of IP network architectures and protocols
  - Green networking
  - Resilient networks
  - Traffic engineering
  - Quality of Service
  - Emerging value-added services and applications
  - Web technologies
  
- Network Modeling, Analysis, Operation, and Economics
  - Topology characterization
  - Performance measurements
  - Traffic monitoring and analysis
  - User behavior modeling
  - Quality of Experience
  - Data-driven network design
  - User profiling and tracking
  - Complex and dynamic networks
  - Analysis of participatory networks
  - Social networking

- Socio-economic aspects of networks, pricing and billing
- Network neutrality
- Network Security, Trust and Privacy
  - Network security protocols
  - Anomaly and malware detection
  - Network forensics
  - Network security measurement
  - Authentication
  - Network attack/intrusion detection and mitigation
  - Applications of privacy-preserving computation in networks
  - Anonymization
  - Dependability
  - Situational awareness
  - Threat intelligence
  - Blockchain, ledger technologies and their network-related applications
- Wireless Networking
  - 5G access networks
  - Long-range communications
  - Mobile networks
  - Self-organizing networks
  - Wireless sensor networks
  - Visible light communications
  - Localization and positioning
  - Delay/disruption tolerant networks
  - Opportunistic networks
  - Wireless power transfer networks
  - Device-to-device communications
  - Vehicular networks and communications
  - Beyond 5G and 6G theories and technologies
  - mmWave and THz communications

The Conference Program will include plenary sessions, breakout sessions, keynote talks, a panel, a poster/demo session and a workshop day.

#### ORGANIZATION COMMITTEE

##### GENERAL CHAIRS:

Raimo Kantola, Aalto University, Finland

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Joerg Widmer, IMDEA Networks, Spain

## IMPORTANT DATES

Title/Abstract submission (required):	January 5, 2021
Full paper submission:	January 12, 2021
Notification of acceptance:	April 1, 2021
Camera-ready version:	May 7, 2021
Full Event:	June 21-24, 2021

## SUBMISSION GUIDELINES:

The technical program committee welcomes paper submissions on all topics related to computer and communication networks. All submitted papers will be judged based on their quality and relevance through **double-blind peer review**, where the identities of the authors are withheld from the reviewers. As an author, you are required to preserve the anonymity of your submission, while at the same time allowing reviewers to fully grasp the context of related past work, including your own. Papers that do not conform to our double-blind submission policies will be rejected without review. Only original papers that have not been published or submitted for review elsewhere will be considered. Submitted papers should be written in English by following the IEEE conference format (<https://www.ieee.org/conferences/publishing/templates.html>), with a maximum length limit of 9 printed pages, including all the figures, references, and appendices. Papers longer than 9 pages will not be reviewed. All papers must be submitted in the Portable Document Format (PDF) electronically using EDAS: <https://edas.info/N27861>. When submitting a paper, its title, all co-authors, and a concise abstract of up to 200 words should be provided to EDAS as the metadata of the paper. The metadata should be provided before the abstract registration deadline. The program committee may ask some authors to shorten their paper to a short paper of 3 pages to be presented in a poster session, instead of a plenary session.

### Instruction on preparing a paper for double-blind review.

- Remove the names and affiliations of authors from the title page.
- Remove acknowledgments.
- Remove project titles or names that could be used to trace back to the authors via web search.
- Carefully name your files to anonymize author information.
- Carefully refer to related work, particularly your own. Do not omit references to provide anonymity, as this leaves the reviewer incapable of grasping the context. Instead, reference your past work in the third person, just as you would any other piece of related work by another author. For example, instead of "In prior work [1], we presented a scheme that ...," sentences in the spirit of "In prior work, Clark et al. [1] presented a scheme that ..." should be used. With this method, the full citation of the referred paper can still be given, such as "[1] A. Clark ....., "Analysis of...", and it is not acceptable to say "[1] Reference deleted for double-blind review."
- The submitted manuscript or its title/abstract should not be posted on a public website, such as [arxiv.org](https://arxiv.org), or transmitted via public mailing lists.
- The submitted manuscript (PDF file) should be text-searchable. Any submission that does not meet this requirement may be returned without review.
- Many of the editing tools automatically add metadata to the generated PDF file containing information that may violate the double blind policy. Please remove any possible metadata that can link your manuscript to you. This includes removing names, affiliation, license numbers etc. from the Metadata as well as from the paper. Failing to meet this requirement may also lead to a rejection without review.

At least one author of each accepted paper is required to register for the conference at the full (member or non-member) rate and the paper must be presented by an author of that paper at the conference unless the TPC co-chairs grant permission for a substitute presenter before the conference. Non-refundable registration fees must be paid prior to uploading the final correctly formatted, publication-ready version of the paper. Accepted and presented papers will be published in the IFIP Digital Library and IEEE

Xplore Digital Library. To ensure appropriate consideration of conflicts of interest during the review process, changes to the list of authors are prohibited once a paper has been submitted for review. Should a paper be accepted, the complete list of authors, including the order of authors, must remain identical as the EDAS metadata in the final camera-ready manuscript.