



Call for Demonstrations

The 7th IEEE Conference on Network Function Virtualization and Software Defined Networks (IEEE NFV-SDN 2021) conference, which will take place in Heraklion, Greece, invites proposals for demonstrations to be held on November 10th, 2021. Demonstrations complement the conference with practical showcases from industry on best practices in the field as well as advances currently underway in research and academia.

Demonstration contributors are expected to provide a demo proposal (up to two pages in IEEE double column style, 10pt font) incorporating a demo system architecture description and an illustration of the elements that will be demonstrated. A “Demo Setup and Requirements” separated document should also be provided to describe the demo setup details and requirements. Demo papers will be peer-reviewed. Accepted papers will be included in the electronic conference/workshops proceedings bundle provided to IEEE NFV-SDN 2021 delegates and will be subsequently made available via IEEE Xplore.

At least one author of an accepted demo is required to register for the conference at the full or limited rate and present the demo at the IEEE NFV-SDN 2021 conference.

The demo proposals will be reviewed by the IEEE NFV-SDN 2021 program committee and will be approved based on the availability of demo space as well as on the following criteria:

- Extent and significance of the research contribution or best practices insights
- Potential impact on the audience
- Quality and depth of the proposed implementation

The organizing committee is closely monitoring the development of the COVID-19 situation that could impact paper submissions and in-person attendance. In case of travel restrictions, a partially or fully virtual conference could become necessary and video/remote presentations will be accepted.

Topics of interest and within the scope of IEEE NFV-SDN 2021 include, but are not limited to, the following:

- Advances in network control planes, forwarding abstractions, and data plane programmability
- Dynamic service function chaining/orchestration and traffic steering
- Intent and policy-based management
- Smart service delivery and orchestration
- Application of machine learning and big data analytics to manage virtualized networks
- Machine learning tools to optimization for next generation network optimization
- ML/AI techniques and models for network and service management

- Resiliency, fault management, and self-healing functions
- Security frameworks
- Advanced tools for automated design, deployment, validation, and network problem diagnosis
- Data/control plane performance, interoperability and scalability studies
- Design guidelines for modularity, scalability, high availability and interoperability (e.g. container and micro service implementations)
- Usage scenarios such as SD-WAN, IoT, Smart Grid, Smart Cities, etc.
- Improvements in future communication infrastructure enabled by SDN and NFV including RAN, evolution to 5G, public, private and hybrid clouds
- Operational experience (e.g. lab. and field trial results)

SUBMISSION GUIDELINES

- Demo papers must be formatted in the standard IEEE double-column conference template.
- Demo papers must not exceed two pages with 10pt font size.
- Demo papers need to obey the same general requirements with respect to registration, presentation, double submission and plagiarism as full conference papers.
- Demo submissions should incorporate a demo system architecture illustration and a clear outline of the demo procedure. Links to a short online video clip or screencast showcasing the work are encouraged.
- Demo setup details requirements should be stated in a separate document and uploaded along with the Demo paper.
- Demo papers should be submitted in pdf format via EDAS at: <https://edas.info/N28464>

Demonstration Co-Chairs

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IMPORTANT DATES

- Demo proposal submission: 9 August 2021
- Notification of Acceptance: 6 September 2021
- Camera-ready Submission: 4 October 2021