NAS 2021 Call for Papers

The 15th IEEE International Conference on Networking, Architecture and Storage (NAS 2021, sponsored by the IEEE)

Riverside Convention Center, CA, October 24-26, 2021, http://www.nas-conference.org

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The International Conference on Networking, Architecture, and Storage provides a high-quality international forum to bring together researchers and practitioners from academia and industry to discuss cutting-edge research on networking, high-performance computer architecture, and parallel and distributed data storage technologies. NAS 2019 will expose participants to the most recent developments in the interdisciplinary areas.

Each submission can be either a regular paper (up to 8 pages) or a short paper (up to 4 pages), including all text, figures, tables, footnotes, appendices, references, etc. Authors are invited to submit previously unpublished work for possible presentation at the conference. The program committee will nominate best papers for recognition in the three conference topic areas. All papers will be evaluated based on their novelty, fundamental insight, experimental evaluation, and potential for long-term impact; new-idea papers are encouraged. All accepted papers will be published in IEEE digital library. Selected and extended papers will be recommended for journal publications.

- Accelerator-based architectures
- Ad hoc and sensor networks
- Application-specific, reconfigurable or embedded architectures
- Architecture for handheld or mobile devices
- Architecture, networking or storage modeling and simulation methodologies
- Big Data infrastructure
- Big Data services and analytics
- Cloud and grid computing
- Cloud storage
- Data-center scale architectures
- Effects of circuits and emerging technology on architecture
- Energy-aware storage
- File systems, object-based storage
- GPU architecture and programming
- HW/SW co-design and tradeoffs
- Mobile and wireless networks
- Network applications and services
- Network architecture and protocols
- Network information theory
- Network modeling and measurement
- Network security
- Non-volatile memory technologies
- Parallel and multi-core architectures
- Parallel I/O
- Power and energy efficient architectures and techniques
- Processor, cache, memory system architectures
- Software defined networking
- Software defined storage
- SSD architecture and applications
- Storage management
- Storage performance and scalability
- Storage virtualization and security
- Virtual and overlay networks

Important Dates (tentative):

Paper submission deadline:	May 30, 2021
Author notification:	July 15, 2021
Camera-ready submission:	August 15, 2021