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IEEE CS



ANCS is the premier forum for presenting and discussing original research that explores the relationship between the algorithms and architectures of data communication networks and the hardware and software elements from which these networks are built. ANCS focuses on architectures for networking and communication in the broad sense, including novel architectures, architectural support for advanced communication, algorithms and protocols for advanced architectures, software and applications for next-generation networking architectures, co-design of computer and network systems, and methodology and benchmarking for evaluating advanced communication architectures.

The conference seeks an emphasis on the applicability and feasibility of approach, and will prioritize implementation and measurement-led submissions. Authors are invited to include artifacts and data sets as part of their submission, and those would be looked favourably by the committee. **In the intersection of computer networking and architecture**, topics of interest include, but are not limited to:

- Disaggregated computing
- Heterogeneous architectures
- Hardware offloading and accelerators
- Domain-specific languages
- Operating systems and virtualization
- Algorithms
- Switch/router/middleware/NIC designs
- SDN/NFV systems
- In-network computing
- Host networking
- Network, compute, memory and storage convergence
- Hardware/software co-design
- Reconfigurable and programmable hardware
- Security, measurement, benchmark and management
- Emerging applications and use cases

IMPORTANT DATES

- Paper submission: 22 September 2021, 23:59 (GMT)
- Author notification: 15 November 2021
- Camera ready: 30 November 2021, 23:59 (GMT)

SUBMISSION

A submission must be a **regular paper (up to 12 pages), short paper (6 pages, either in-progress or complete work) or poster abstract (3 pages, in-progress work)**. These page limits do not include references. The review process is **double blind**; papers must not indicate author names or affiliations. Papers must be in the PDF format and submitted via <https://ancs21.hotcrp.com>.

The papers must be formatted using the **ACM Primary Article Templates** ("2. The Workflow and Templates" in <https://www.acm.org/publications/authors/submissions>,) and documentclass arguments of [10pt,sigconf,letterpaper,anonymous,nonacm].

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