



ACM HPDC 2022

Call for Papers

# The 31st International Symposium on High-Performance Parallel and Distributed Computing

Minneapolis, Minnesota, United States, June 27 - July 1, 2022

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## Deadlines (AoE):

Abstracts due: **January 20, 2022**  
Papers due: **January 27, 2022**  
Author notifications: **March 31, 2022**  
Camera-ready version: **April 21, 2022**  
Conference dates: **June 27 - July 1, 2022**

## More Info:

<http://hpdc.org/2022/>

## Overview:

The ACM International Symposium on High-Performance Parallel and Distributed Computing (HPDC) is the premier annual conference for presenting the latest research on the design, implementation, evaluation, and use of parallel and distributed systems for high-end computing. The 31st HPDC will take place in Minneapolis, Minnesota, June 27-July 1, 2022.

## Scope and Topics:

Submissions are welcomed on high-performance parallel and distributed computing (HPDC) topics including but not limited to: clouds, clusters, grids, big data, massively multicore, and extreme-scale computing systems. Experience reports of operational deployments that provide significantly novel insights for future research on HPDC applications and systems are also welcome.

In the context of high-performance parallel and distributed computing, the topics of interest include, but are not limited to:

- Datacenter, HPC, cloud, serverless, and edge/IoT computing platforms
- Heterogeneous computing accelerators and non-volatile memory systems
- File and storage systems, I/O, and data management
- Operating systems and networks
- System software and middleware for parallel and distributed systems
- Programming languages and runtime systems
- Big data stacks and big data ecosystems
- Scientific applications, algorithms, and workflows
- Resource management and scheduling
- Performance modeling, benchmarking, and engineering
- Fault tolerance, reliability, and availability
- Operational guarantees, risk assessment, and management
- Novel post-Moore computing technologies including neuromorphic, brain-inspired computing, and quantum computing.

## Submission Guidelines:

Authors are invited to submit technical papers of at most 11 pages in PDF format, excluding references. Papers should be formatted in the ACM Proceedings Style and submitted via the conference website. Submitted papers must be original work that has not appeared in and is not under consideration for another conference or a journal.

Reviewing for HPDC 2022 will be double-blind.

For HPDC 2022, we have new paper submission categories and suggested formatting for the introduction section. Please refer to the website for more information.