DISC 2017 – Call for Papers
31st International Symposium on Distributed Computing
October 16–20, 2017, Vienna, Austria
www.disc-conference.org/2017/

DISC is the International Symposium on Distributed Computing, organized in cooperation with the European Association for Theoretical Computer Science.

Scope: Original contributions to theory, design, implementation, modeling, analysis, or application of distributed systems and networks are solicited. Topics of interest include, but are not limited to:

- Distributed algorithms and data structures: correctness and complexity
- Concurrency, synchronization, and transactional memory
- Distributed operating systems, middleware, database systems
- Self-stabilizing, self-organizing, and autonomous systems
- Wireless, mobile, sensor and ad-hoc networks
- Fault tolerance, reliability, availability
- Game-theoretic approaches to distributed computing
- Specification, verification, and testing: tools, methodologies
- Networks: protocols, architectures, services, applications
- Multiprocessor and multicore parallel architectures and algorithms
- System on chip and network on chip architectures
- Security in distributed computing, cryptographic protocols
- Distributed computing issues in the Internet and the Web
- Cloud and peer-to-peer computing
- Software-defined networking and network functions virtualization
- Mobile agents and autonomous robots
- Data science and network science
- Biological and nature-inspired distributed algorithms
- Machine learning
- Block chain, MapReduce, and other recent distributed paradigms

Submission: Papers are to be submitted electronically, following the guidelines on the conference web page. Submissions must be in English and in .pdf format, and must indicate on the first page if the paper is eligible for the best student paper award. A submission for a regular presentation must report on original research that has not previously appeared and has not been concurrently submitted to a journal or conference with published proceedings. Any overlap with a published or concurrently submitted paper must be clearly indicated. Submissions for regular papers must be formatted in accordance with the LIPIcs proceedings guidelines and not exceed 15 pages including title-page and references. Authors are expected to include all the ideas necessary for an expert to verify the central claims in the paper. If necessary, the details may appear in a clearly marked appendix, which will be read at the discretion of the program committee. LIPIcs typesetting instructions can be found at http://www.dagstuhl.de/en/publications/lipics and the lipics.cls LaTeX style at http://drops.dagstuhl.de/styles/lipics-v2016/lipics-v2016-authors.tgz . Submissions not conforming to these guidelines and papers outside of the scope of the conference will be rejected without consideration.

A brief announcement submission must not exceed 3 pages in the same format with a title starting with "Brief Announcement:". The material in brief announcements can be published in other conferences. If requested by the authors on the first page, a regular submission that is not selected for a regular presentation can be considered for the brief announcements track. Such a request will not affect consideration of the paper for a regular presentation.

Publication: The proceedings will be published by LIPIcs. Accepted papers must be presented by one of the paper's authors, at the conference site, and according to the final schedule. Any paper accepted into the technical program but not presented on-site will be withdrawn from the final proceedings. Final proceedings versions of accepted papers must be formatted according to the LIPIcs format, using the same rules for paper submission but without the appendix.

Awards: Awards will be given to the best paper and the best student paper. To be eligible for the best student paper award at least one of the paper authors must be a full-time student at the time of submission, and the student(s) must have made a significant contribution to the paper.

Important Dates

Abstract Registration	**May 01, 2017** (AoE)
Paper Submission	**May 08, 2017** (AoE)
Notification	**June 30, 2017**
Camera-Ready Submission	**August 5, 2017**
Main conference	**October 17–19, 2017**

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