



## Call for Papers

# Thirty-first Annual ACM SIGACT-SIGOPS Symposium on Principles of Distributed Computing (PODC 2012)

July 16-18, Madeira, Portugal  
<http://www.podc.org/podc2012/>



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Dariusz Kowalski (general)	<i>U. of Liverpool, UK &amp; IMDEA Networks, Spain</i>
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Luís Rodrigues (local arrangements)	<i>IST/INESC-ID, Portugal</i>

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**Overview:** PODC solicits papers in all areas of distributed computing. Papers from all viewpoints, including theory, practice, and experimentation, are welcome. The common goal of the conference is to improve understanding of the principles underlying distributed computing. Topics of interest include, but are not limited to, the following subjects:

- distributed algorithms: design, analysis, and complexity
- communication networks: architectures, services, protocols, applications
- multiprocessor and multi-core architectures and algorithms
- shared and transactional memory, synchronization protocols, concurrent programming
- fault-tolerance, reliability, availability, self organization
- Internet applications, social networks, recommendation systems
- distributed operating systems, middleware platforms, databases
- game-theoretic approaches to distributed computing
- peer-to-peer systems, overlay networks, distributed data management
- high-performance, cluster, cloud and grid computing
- wireless networks, mobile computing, autonomous agents
- context-aware distributed systems
- security in distributed computing, cryptographic protocols
- sensor, mesh, and ad hoc networks
- specification, semantics, verification, and testing of distributed systems

**Submission:** Papers are to be submitted electronically, following the guidelines available on the webpage (<http://www.podc.org/podc2012/>). ALL DEADLINES (SPECIFIED AT THE BOTTOM) ARE FIRM.

A submission for a regular presentation must report original research. Papers submitted for regular presentations must contain results that have not previously appeared, and have not been concurrently submitted to a journal or conference with published proceedings. Any partial overlap with any published or concurrently submitted paper must be clearly indicated.

SUBMITTED PAPERS should: (1) Start with a title page consisting only of the title of the paper; each author's name, affiliation, and email address; and an abstract of 1-2 paragraphs summarizing the paper's contributions. (2) Continue with an extended abstract of up to 10 pages (excluding figures), which consists of a scholarly exposition of the paper's main ideas, results, and techniques, including motivation and a clear comparison with related work. The extended abstract should be addressed insofar as possible to a broad spectrum of distributed computing researchers. Authors should also substantiate the main mathematical claims of the paper with proofs, some of which may be placed in a clearly marked appendix that will be read at the discretion of the program committee. (3) Finish with the bibliography, kept within reasonable limits (1-2 pages). (4) After the bibliography, a clearly marked appendix can be added, which may simply consist of the full paper.

**Formatting:** letter-size (8 1/2 x 11 inch) paper, single-column format, using at least 1 inch margins, 11-point font, and ample spacing all around. Submissions deviating from these guidelines risk rejection without consideration of their merits.

A BRIEF ANNOUNCEMENT must be no longer than 3 single-column pages on letter-size paper using at least 11-point font, including title, authors' names and affiliations, and references. Such submissions may describe work in progress or work presented elsewhere. A submission not selected for regular presentation may be invited for a brief announcement.

**Publication:** Regular papers and brief announcements will be included in the conference proceedings (up to 10 and 2 letter-size pages, respectively).

**Awards:** Every regular paper is eligible for the best paper award and the best presentation award. Regular papers co-authored by full-time students may also be eligible for the best student paper award—for a paper to be considered, the nominated authors should be full time students at the time of submission and they should be principally responsible for the paper's contributions. The program committee may decline to make these awards or may split them.

### Deadlines

Submission type	Abstract Registration	Submission	Notification	Camera Ready
Regular Presentations	Feb. 10, 2012	Feb. 15, 2012	Apr. 20, 2012	May 13, 2012
Brief Announcements	none	Feb. 20, 2012	Apr. 25, 2011	May 13, 2012