

Innovations in Theoretical Computer Science (ITCS)

CALL FOR PAPERS

January 8-10, 2012

Cambridge, MA

Submission deadline: Sunday, August 7, 2011 at 23:59 US EST

The 3rd Innovations in Theoretical Computer Science (ITCS) Conference, sponsored by the ACM Special Interest group on Algorithms and Computation theory (SIGACT) will be held in Cambridge, MA, January 8-10, 2012 with a welcome reception January 7.

ITCS (previously known as ICS) seeks to promote research that carries a strong conceptual message (e.g., introducing a new concept or model, opening a new line of inquiry within traditional or cross-disciplinary areas, or introducing new techniques or new applications of known techniques). **ITCS** welcomes all submissions, whether aligned with current TCS research directions or deviating from them.

Steering Committee:

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Umesh Vazirani (U. C. Berkeley)

Organizing Committee:

Silvio Micali (MIT)
Yael Kalai (Microsoft Research New England)

Important Dates:

Submission: **Sunday, August 7, 2011 at 23:59 US EST**

Notification to authors: **Tuesday, October 18, 2011 at 23:59 US EST**

Camera ready version due: **Monday, November 28, 2011 at 23:59 US EST**

Conference dates: **January 8-10, 2012; Reception January 7, 2012**

Submission format:

Submissions should start with a title page consisting of the title of the paper; each author's name, affiliation, and email address; and a one page abstract summarizing the paper's contributions. This should be followed by an extended abstract of up to 10 pages (readable, single column, 11 point font) excluding bibliography, appendix and 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 CS Theory 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.

Submission Instructions:

Authors are required to submit their extended abstracts electronically, in PDF (without security restrictions on copying or printing). The submission server will be available by July 15, 2011 **through the conference web site: <http://itcs2012.csail.mit.edu>.**

Simultaneous Submissions:

Material that has been previously published (in a journal or at a conference) or is currently under submission to another conference with proceedings will not be considered for acceptance at ITCS 2012.

Proceedings:

The conference proceedings will be in electronic form.