Call For Papers

The 6th Innovations in Theoretical Computer Science (ITCS) conference, sponsored by the ACM Special Interest Group on Algorithms and Computation Theory (SIGACT), will be held at the Weizmann Institute of Science, Israel, January 11-13, 2015.

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-interdisciplinary areas, or introducing new techniques or new applications of known techniques). ITCS welcomes all submissions, whether aligned with current theory of computation research directions or deviating from them.

Important Dates

Paper Submission Deadline: Friday, **August 8, 2014, 5PM PDT**

Notification to Authors: Monday, **October 20, 2014**

Camera ready papers due: Monday, **November 24, 2014**

Conference dates: Sunday-Tuesday, **January 11-13, 2015**

Program Committee:

Benny Applebaum (Tel Aviv University)
Avrim Blum (Carnegie Mellon University)
Costis Daskalakis (MIT)
Uriel Feige (Weizmann Institute)
Vitaly Feldman (IBM Research - Almaden)
Parikshit Gopalan (Microsoft Research)
Bernhard Haeupler (Carnegie Mellon University and Microsoft Research)
Stefano Leonardi (University of Rome La Sapienza)
Tal Malkin (Columbia University)
Nicole Megow (Technische Universitat Berlin)
Michael Mitzenmacher (Harvard University)
Noam Nisan (Hebrew University and Microsoft Research)
Ryan O'Donnell (Carnegie Mellon University)
Rafael Pass (Cornell and Cornell NYC Tech)
Dana Ron (Tel Aviv University)
Guy Rothblum (Microsoft Research)
Tim Roughgarden (Stanford University) [chair]
Michael Saks (Rutgers University)
Leonard Schulman (Caltech)
C. Seshadhri (Sandia National Laboratories)
Jonathan Ullman (Harvard University)
Paul Valiant (Brown University)
Thomas Vidick (Caltech)
Nisheeth Vishnoi (Microsoft Research)
Mihalis Yannakakis (Columbia University)

Organizing Committee: Irit Dinur (Weizmann), Moni Naor (Weizmann)

Submission format and style: Submissions should be written such that their content, style, and appearance help to facilitate the reviewing process. Authors should keep in mind that PC members will be directly responsible for

the evaluation of many papers. The submission should be addressed to a broad spectrum of theoretical computer scientists, not solely to experts in the subarea.

Appearance: Submissions should be typeset using 11-point or larger fonts, in a single-column, with ample spacing throughout and at least 1-inch margins all around. The title page of each submission should contain the paper's title; each author's name, affiliation, and email address; and a short abstract summarizing the paper's contributions. This should be followed by the body of the paper.

Presentation: Authors bear the burden of making submissions accessible to the reviewers in their subarea and in the theory of computing at large. It is typically wise for a submission to contain, within its first few pages, a concise and clear presentation of the merits of the paper, including a discussion of its importance, prior work, and an outline (similar to a brief oral presentation) of key technical ideas and methods used to achieve the main claims. The submission should also allow reviewers to easily expand their understanding of any specific detail they deem important for evaluation. While there is no hard constraint on the length of a submission, in typical cases authors should not expect PC members to read more than 10 pages of the submission.

Simultaneous submissions and prior publications: Simultaneous submission of the same (or essentially the same or overlapping) paper to ITCS 2015 and to another conference with published proceedings will not be considered for acceptance at ITCS 2015. Results previously published or presented at another archival conference prior to ITCS, or published (or accepted for publication) at a journal prior to the submission deadline to ITCS, will not be considered. Simultaneous submission of results to a journal is allowed only if the author intends to publish the paper as a one page abstract in ITCS 2015 (see below). Papers that are accepted and appear as a one page abstract can be subsequently submitted for publication in a journal but should not be submitted to any other conference that has a published proceedings.

Proceedings: To accommodate the publishing traditions of different fields, authors of accepted papers can ask that only a one page abstract of the paper appear in the proceedings, along with a URL pointing to the full paper. Authors should guarantee the link to be reliable for at least two years. This option is available to accommodate subsequent publication in journals that would not consider results that have been published in preliminary form in a conference proceedings. Such papers must be submitted electronically and formatted just like papers submitted for full-text publication.

Submission Instructions: Authors are required to submit their papers electronically, in PDF (without security restrictions on copying or printing). A link to the submission server will be posted on the main ITCS 2015 page some time in July.