Call for Papers

Foundations of Software Technology and Theoretical Computer Science

December 12-14, 2011   IIT Bombay, Mumbai

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Important dates

Submission server opens
                June 1, 2011

Submission deadline
                July 6, 2011

Notification to authors
                Sept 5, 2011

Final version due
                Oct 5, 2011

Conference
                Dec 12-14, 2011

The Indian Association for Research in Computing Science, announces the 31st Annual FSTTCS Conference in IIT Bombay, Mumbai. The FSTTCS conference is a forum for presenting original results in foundational aspects of Computer Science and Software Technology.

Invited speakers at the 31st FSTTCS include **Susanne Albers** (Humboldt-Universität zu Berlin, Germany), **Phokion G. Kolaitis** (Univ. of California, Santa Cruz, USA), **John C. Mitchell** (Stanford University, USA), **Madhu Sudan** (MSR New England and MIT, USA), **Moshe Y. Vardi** (Rice University, USA) and **Umesh V. Vazirani** (Univ. of California, Berkeley, USA)

Authors are invited to submit papers presenting original unpublished research in any area of Theoretical Computer Science or Foundational aspects of Software Technology. Submissions will be electronic, via EasyChair. Submissions are restricted to 12 pages using the FSTTCS style file. Proofs omitted due to space constraints must be put into an appendix to be read by reviewers at their discretion. Concurrent submissions to other conferences/journals/symposia are not allowed until accept/reject notification (or until submission of the final version, if accepted). For further details about submissions, please visit www.fsttcs.org

Representative areas include, but are not limited to:
- Algorithms, including randomized and approximation algorithms, distributed algorithms, geometry, online and streaming algorithms, fixed-parameter algorithms
- Automata and Formal Languages
- Combinatorial Optimization
- Computational Complexity, including circuits, communication, derandomization, PCPs, proof complexity, structural complexity
- Concurrent, timed and hybrid systems
- Cryptography and security
- Logic in Computer Science, including finite model theory, modal and temporal logics, specification and verification
- Programming languages, including semantics, types, program analysis and correctness

Accepted papers will be published as the proceedings of the conference in the Leibniz International Proceedings in Informatics (LIPIcs) series as a free, open, electronic archive with access to all. For an accepted paper to be included in the proceedings, at least one of the authors must commit to presenting the paper at the conference. It is likely that there will be a couple of workshops preceding FSTTCS on some contemporary areas of research. Details of workshops will be announced on the conference web page (www.fsttcs.org) in September 2011.