Call for papers
Annual Symposium on Computational Geometry
Kyoto, June 8-11, 2014
http://www.dais.is.tohoku.ac.jp/~socg2014/

The 30th Annual Symposium on Computational Geometry (SoCG) will be held in Kyoto, Japan, as part of Computational Geometry Week. We invite submissions of high-quality papers that describe original research on computational problems in a geometric setting, in particular their algorithmic solutions, implementation issues, applications, and mathematical foundations. Topics of interest include, but are not limited to:

- design, analysis, and implementation of geometric algorithms and data structures; lower bounds on the computational complexity of geometric problems;

- mathematical, numerical, and algebraic issues arising in the formulation, analysis, implementation, and experimental evaluation of geometric algorithms and heuristics; discrete and combinatorial geometry; computational topology;

- novel algorithmic applications of geometry in computer graphics, geometric modeling, computer-aided design and manufacturing, scientific computing, geographic information systems, database systems, robotics, computational biology, machine learning, sensor networks, medical imaging, combinatorial optimization, statistical analysis, discrete differential geometry, theoretical computer science, graph drawing, pure mathematics, and other fields.

Important Dates

November 22, 2013:	Paper titles and abstracts (at most 300 words) due (23:59, UTC-12)
December 3, 2013:	Paper submissions due (23:59, UTC-12)
February 14, 2014:	Notification of acceptance/rejection of papers
March 24, 2014:	Final versions of accepted papers due
June 8-11, 2014:	Symposium in Kyoto

Publication and Awards

Final versions of accepted papers will be published by ACM in the symposium proceedings. Proceedings will be distributed to symposium participants and will also be available from ACM for purchase and through the ACM digital library. An author of each accepted paper will be expected to attend the Symposium and give a presentation (approximately 20 minutes) of the paper. Authors of a selection of papers from the conference will be invited to submit extended versions of their papers to a special issue of one or two journals. We plan to confer a Best Paper Award and a Best Student Presentation Award. The Student Presentation award will be based on the quality of the presentation of a paper by a student during the conference. The authors of the Best Paper Award will be invited to submit their work to the Journal of the ACM.

Paper Submission

All submissions must be made electronically; see the EasyChair SoCG2014 web page https://www.easychair.org/conferences/?conf=socg2014 for detailed submission instructions.

NSF Travel Grant

NSF offers some travel support for US students going to SoCG. Information will be available on the conference web site.

Submission Guidelines

Papers should be submitted in the form of an extended abstract, which begins with the title and abstract page that contains the title of the paper, each author's name, affiliation, and e-mail address followed by a short abstract. Authors can add on this title page a special section containing any remarks for the program committee (journal submission, conflict of interest...). The main body of the extended abstract should begin with a precise statement of the problem considered, a succinct summary of the results obtained (emphasizing the significance, novelty, and potential impact of the research), and a clear comparison with related work. The remainder of the extended abstract should provide sufficient detail to allow the program committee to evaluate the validity, quality, and relevance of the contribution. Clarity of presentation is very important; the whole extended abstract should be written carefully, taking into consideration that it will be read and evaluated by both experts and non-experts, often under tight time constraints.

Submissions should be typeset in single column format, using 11-point or larger font, with at least 1 inch/2.54 cm margins and single line spacing. Excluding the title page and bibliography, the extended abstract must not exceed 10 pages. Submissions deviating from these guidelines risk rejection without consideration of their merits. If possible, lines should be numbered (e.g. using `lineno` latex package).

All necessary details to verify the results must be provided. If they cannot fit within the 10-page limit, a clearly marked appendix containing omitted details should be included. Appendices are not counted in the 10 page limit, so while they may serve as a reference, they will be read by the program committee members at their discretion. The paper excluding the appendix should clearly describe the results and the approach to achieve them, and give sufficient confidence for their validity. The appendix should then give all the necessary details to verify correctness.

Anticipating the usual high overall quality of submissions, the program committee intends to interpret the scope of the conference broadly, and will seriously consider all papers that are of significant interest to our research community.

Authors must submit the title and an abstract (at most 300 words) of their papers by November 22, 2013 (23:59, UTC-12). This pre-submission will be used to help make program committee reading assignments. Extended abstracts must be received by December 3, 2013 (23:59, UTC-12). There will be no extension of these deadlines; late submissions will not be considered. Authors will be notified of acceptance or rejection by February 14, 2014; reviews will be sent by February 21, 2014. The final proceedings papers must be formatted in accordance with ACM proceedings guidelines. They are due on March 24, 2014. LaTeX style files will be made available to authors of accepted papers.

Results previously published in another conference proceedings cannot be submitted to SoCG. Simultaneous submissions of the results to another conference with published proceedings are not allowed. Exempted are workshop or conference handouts containing short abstracts not exceeding four pages in length. Results that have already been accepted (with or without revision) for publication by a journal, at the time of their submission to SoCG, will not be allowed. A paper submitted to a journal but not yet accepted to a journal can be submitted to SoCG. In such cases, the authors must mention it in page zero, the title and abstract page, and include the full journal version in an appendix that clearly identifies the status of the journal submission on November 22, 2013.

Program committee

- Hee-Kap Ahn (Postech)
- Peyman Afshani (Madalgo)
- Benjamin Burton (U. of Queensland)
- Erin Chambers (Saint Louis U.)
- Siu-Wing Cheng (co-chair, HKUST)
- Ken Clarkson (IBM Research - Almaden)
- Olivier Devillers (co-chair, INRIA)
- Xavier Goaoc (U. Paris-Est - Marne-la-Vallée)
- Michael Hemmer (Technische U. Braunschweig)

- Christian Knauer (U. Bayreuth)
- Joe Mitchell (Stony Brook U.)
- Vera Sacristán (U. Politècnica de Catalunya)
- Vin de Silva (Pomona college)
- Shakhar Smorodinsky (Ben-Gurion U.)
- Tiow-Seng Tan (National U. of Singapore)
- Shinichi Tanigawa (Kyoto U.)
- Kasturi Varadarajan (The U. of Iowa)
- Stefanie Wuhrer (U. Saarland)