

Computational Geometry Week 2014: Call for Workshops

The 30th Symposium on Computational Geometry (SoCG) will take place June 8-11, 2014 in Kyoto, Japan. SoCG brings together the global community of researchers who work on a large variety of topics that combine geometry, topology, algorithms, and applications. Information about the Symposium can be found at <http://www.dais.is.tohoku.ac.jp/~socg2014/>.

To allow a broad audience to actively participate in the community's major scientific event, this year's Symposium will again be accompanied by a series of afternoon events; the regular SOCG talks will be scheduled for the mornings. Together, these events will constitute "CG Week 2014".

One of these afternoon events is WoCG, a series of workshops and minisymposia on topics related to all aspects of computational geometry and its applications.

Typical events may feature some number of invited speakers and possibly some number of contributed presentations. Events may include other forms of presentations, such as software demos, panel discussions, industry forums, tutorials, posters, videos, implementation challenges, or artwork. WoCG events will have no formal proceedings. Optionally, the organizers may coordinate with journals to publish special issues, or arrange for other dissemination (via arXiv, webpages, or printed booklets, for example). We expect most events to last one afternoon (3-4 hours), but some meritorious events may extend across two afternoons.

We invite proposals for events focusing on all topics of potential interest to the computational geometry community. Possible topics include (in alphabetical order): algebraic methods, biology, cache-oblivious algorithms, chemistry, combinatorial geometry, computational photography, computational topology, computer graphics, computer vision, conformal geometry, differential geometry, folding/origami, games and puzzles, geographic information systems, geometric aspects of privacy, geometric software, geometry of graphs, geometry processing, high-dimensional geometric algorithms, implementation challenges, machine learning, manufacturing, massive data sets, mesh generation, motion planning, optimization, physical simulation, physics, real-world applications of CG, robotics, sensor networks, surface reconstruction, and visualization.

Proposals should be submitted by email to the WoCG committee chair, Jeff Erickson <jeffe@illinois.edu>, by February 21, 2014. Proposals should be brief (at most 3 typeset pages) and should include the following information:

1. Title or theme of the workshop/minisymposium/event
2. Name and email address of the organizer(s)

3. Brief scientific summary and discussion of merits of the proposed topic to computational geometry
4. A description of the proposed format and agenda
5. Proposed duration (both minimum and ideal).
6. Procedures for selecting participants and presenters
7. Intended audience
8. Potential invited speakers/panelists
9. Plans for dissemination (such as journal special issues)
10. Past experience of the organizer(s) relevant to the event

IMPORTANT DATES:

February 21, 2014: Workshop proposals due

March 3, 2014: Notification of acceptance/rejection

June 8-11, 2014: Symposium in Kyoto

FURTHER INFORMATION:

We anticipate that WoCG events will be operated at low cost. In particular, there is no intended budget for invited speakers, except as arranged by the individual workshop organizers. SoCG organizers will provide organizational assistance, including registration, meeting rooms at the SoCG venue, coffee breaks, wireless network, and a link to the web page of the event.

WOCG PROGRAM COMMITTEE:

Pankaj Agarwal (Duke University)

David Avis (McGill University)

Sunil Arya (Hong Kong University of Science and Technology)

Benjamin Burton (University of Queensland)

Otfried Cheong (Korea Institute of Science and Technology)

Jeff Erickson (University of Illinois at Urbana-Champaign, chair)

Stefan Langerman (Université Libre de Bruxelles)

Jeff Phillips (University of Utah)

Ryuhei Uehara (Japan Advanced Institute of Science and Technology)