

Call For Submissions: 3rd Annual Symposium on Computational Fabrication

Conference Date: June 17-19th

Location: MIT building E14 hosted by the Center for Bits and Atoms, Cambridge, Massachusetts, USA

Website: <https://scf.acm.org/>

The Symposium on Computational Fabrication (SCF), sponsored by the ACM, provides a holistic home for new research and developments in the interdisciplinary areas of digital manufacturing and computational design. The theme this year is “The Next 50 Years”; we will highlight advances in the field that will have a lasting impact, and discuss the broader implications. We are seeking high-quality research submissions in all areas relating to computational fabrication including (but not limited to): computer science, engineering, materials science, architecture, human-computer interaction, and robotics. The goal of SCF is to advance the state-of-the-art in computational fabrication via the exchange of new research, discussions and collaborations and to become the preeminent venue for such activities in the burgeoning field of Computational Design and Fabrication.

In order to provide a general framework for the diverse topics encompassed by SCF, we are organizing this year’s sessions around the following themes:

- Conception: design inception, representation, discovery process, and refinement
- Implementation: hardware and software tools and materials to realize designs
- Application: what is the real-world relevance of realized designs
- Implication: what are the broader social impacts of applied designs

In order to attract both mature research results as well as cutting-edge developments, the SCF will be accepting Full Papers, Extended Abstracts, Posters, and Demos. Please see below for the submission requirements and dates.

Full Papers

Deadline: April 12th 2018

Description: 10 page limit. If accepted, authors will be awarded a 15 minute presentation platform to present the work. These papers are archived as part of the ACM Digital Library

Extended Abstracts on Late-breaking Results

Deadline: May 25th 2018

Description: 3-5 pages. If accepted, authors will be awarded a 5 minute presentation platform to present the work. These abstracts are NOT archived as part of the ACM Digital Library, in an effort to promote new/breaking results. We welcome discussions & presentations on recently submitted or published work, recent results, or any other topic of interest to the community.

Posters and Demos

Deadline: May 25th 2018

Description: 2 page abstract along with the poster layout. These poster/demo abstracts are NOT archived as part of the ACM Digital Library, in an effort to promote new/breaking results.

Conference Chairs

Neil Gershenfeld

Rob MacCurdy

David I.W. Levin

