13th International Conference on

MODULARITY 14

April 22-25, Lugano, Switzerland

http://modularity.info/

Twitter: @Modularity14

acm In-Cooperation

SIGSOFT SPECIAL INTEREST GROUP ON SOFTWARE ENGINEERING

SIGPLAN

RESEARCH RESULTS TRACK

Modularity at the semantic as well as the syntactic level is a key enabler for the expression of high quality software systems, because one of the most important techniques for complexity reduction in any context is separation of concerns. Novel concepts and abstraction mechanisms including aspect-oriented techniques are a focus point for improvements in the support for modularity. The scope of this effort covers all perspectives on software systems in all their life-cycle phases, for instance application domain analysis, programming language constructs, formal proofs of system properties, program state visualization in debuggers, performance improvements in compiler algorithms, etc. As the premier international conference on modularity, Modularity'14 continues to advance our understanding of these issues and the expressive power of known techniques.

Modularity'14 is deeply committed to eliciting works of the highest caliber. To this aim, **two separate paper submission deadlines and review stages are offered for the Research Results track**. A paper accepted in any round will be published in the proceedings and presented at the conference. Promising papers submitted in the first round that are not accepted may be invited to be revised and resubmitted for review by the same reviewers in the second round. Submission to both rounds is open for all, and authors who submit to the first round may of course choose to resubmit a revised version in the second round without such an invitation, in which case new reviewers may be appointed.

Important dates
Round 1 – Deadline passed.
Round 2 – Deadline passed.

For more information: http://aosd.net/2014/rrtrack

MODULARITY VISIONS TRACK

Modularity properties are key determinants of quality in information systems, software, and system production processes. Modularity influences system diversity, dependability, performance, evolution, the structure and the dynamics of the organizations that produce systems, human understanding and management of systems, and ultimately system value.

Yet the nature of and possibilities for modularity, limits to modularity, the mechanisms needed to achieve it in given forms, and its costs and benefits remain poorly understood. Significant advances in modularity thus are possible and promise to yield breakthroughs in our ability to conceive, design, develop, validate, integrate, deploy, operate, and evolve modern information systems and their underlying software artifacts.

The Modularity Visions track of Modularity'14 is looking for papers presenting compelling insights into modularity in information systems, including its nature, forms, mechanisms, consequences, limits, costs, and benefits. Modularity Vision papers can also present proposals for future work. The scope of Modularity Visions is broad and open to submissions from all areas of computer science.

Modularity Visions papers must supply some degree of validation because mere speculation is not a good basis for progress. However, Modularity Visions accepts less rigorous methods of validation such as compelling arguments, exploratory implementations, and substantial examples. The use of worked-out prototypes to support new ideas is strongly encouraged.

Important dates
Abstracts: **October 14, 2013**
First phase notification: December 9, 2013
Final notification: February 10, 2014
Papers: **October 21, 2013**
Invited revisions due: February 3, 2014
Camera ready version due: February 17, 2014

For more information: http://aosd.net/2014/mvtrack

General Chair
Walter Binder

Research Results Chair
Erik Ernst

Modularity Visions Chair
Robert Hirschfeld

Workshops Chair
Michael Haupt

Demonstrations Chair
Walter Cazzola

Student Events Chair
Christoph Bockisch

Research Results Program Committee
Sven Apel
Christoph Bockisch
Eric Bodden
Yvonne Coady
Cynthia Disenfeld
Pascal Fradet
Lidia Fuentes
Alessandro Garcia
Stefan Hanenberg
Klaus Havelund
Andy Kellens
Ralf Lämmel
Julia Lawall
Ana Moreira
Jacques Noyé
Bruno C.d.S. Oliveira
Ismael Figueroa Palet
Hridesh Rajan
Awais Rashid
Guido Salvaneschi
Ina Schaefer
Alex Villazón

Modularity Visions Program Committee
Carl Friedrich Bolz
Shigeru Chiba
Richard P. Gabriel
Matthias Hauswirth
Christian Kästner
David H. Lorenz
Hidehiko Masuhara
Sean McDirmid
Ina Schaefer
Kevin Sullivan

WORKSHOP PROPOSALS

Workshops are incubators for research. In contrast to conference technical tracks, where presentations dominate Q&A and interaction, workshops have the potential to foster spontaneous in-depth discussions of emerging research topics in a focused community. For Modularity'14, we invite proposals for workshops to be held in conjunction and close interlocking with the Modularity'14 conference. We encourage proposals on conference-related topics that are novel or of emerging importance. We stress the importance of active and creative workshops that promise to form a collaborative environment of interest to both practitioners and researchers. We encourage workshop proposals that are highly interactive, rather than mini-conferences.

Each workshop proposal will be evaluated according to the value and relevance of its topic, the expertise and experience of the workshop organizers, the workshop's potential for attracting participants and generating useful results, and its potential for interaction and spawning further research.

To increase workshop visibility, workshop organizers will be invited to give short introductions to the workshops at the beginning of related research track sessions.

Important dates
Proposal submission: **October 11, 2013**
Notification: October 25, 2013

For more information
http://aosd.net/2014/workshop-proposals

DEMONSTRATIONS

Demonstrations serve the dissemination of advances embodied in research--oriented tools and systems that use or support modularity and composition. Attendees learn about emerging technologies and have opportunities to interact with their developers. Presenters gain excellent opportunities to increase the visibility and impact of their work. Modularity'14 solicits high--quality proposals for its demonstration track. Demonstrations may present commercial, academic, or corporate research systems.

To each demo will be allocated 30 minutes, with 10 minutes for the presentation, 15 minutes for the demonstration, and 5 minutes for questions and discussion. Every demonstration will be scheduled twice for presentation. Authors of regular papers are also welcome to submit accompanying demonstrations.

Important dates
Submission: **February 7, 2014**
Notification: February 16, 2014

For more information
http://aosd.net/2014/demonstrations

ACM STUDENT RESEARCH COMPETITION

Modularity'14 is hosting an ACM Student Research Competition (SRC). The competition, sponsored by Microsoft Research, is an internationally-recognized venue that enables undergraduate and graduate students to experience the research world, share their research results with other students and Modularity'14 attendees, and compete for prizes. The ACM Student Research Competition shares the Poster session's goal to facilitate students' interaction with researchers and industry practitioners; providing both sides with the opportunity to learn of ongoing, current research. Additionally, the Student Research Competition affords students with experience with both formal presentations and evaluations.

The top three winners at Modularity'14 in each category will receive prizes of US$500, US$300, and US$200, respectively. All winners also receive an award certificate and two-year complimentary ACM membership with a subscription to ACM's Digital Library. The top winners go on to compete in the ACM SRC Grand Finals with winners from other ACM conferences.

Important dates
Submission: **February 2, 2014**
Notification: February 16, 2014

For more information
http://aosd.net/2014/src

POSTERS

Important dates
Submission: **March 2, 2014**
Notification: March 10, 2014

For more information
http://aosd.net/2014/posters