# 13th International Conference on
# MODULARITY 14

April 22-26, Lugano, Switzerland
**http://modularity.info/**
**Twitter: @Modularity14**

acm In-Cooperation

SIGSOFT
SPECIAL INTEREST GROUP ON SOFTWARE ENGINEERING

## SIGPLAN

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.

Topics of interest for the Research Results track include, but are not limited to, the following:

**Varieties of modularity** – Context orientation; feature orientation; generative programming; aspect orientation; software product lines; traits; families of classes; meta-programming and reflection; components; view-based development.

**Programming languages** – Support for modularity related abstraction in: language design; verification, contracts, and static program analysis; compilation, interpretation, and runtime support; formal languages and calculi; execution environments and dynamic weaving; dynamic languages; domain-specific languages.

**Software design and engineering** – Requirements and domain engineering; architecture; synthesis; evolution; metrics and evaluation; empirical studies of existing software; economics; testing and verification; semantics; composition and interference; traceability; methodologies; patterns.

**Tools** – Crosscutting views; refactoring; evolution and reverse engineering; aspect mining; support for new language constructs.

**Applications** – Data-intensive computing; distributed and concurrent systems; middleware; service-oriented computing systems; cyber-physical systems; networking; cloud computing; pervasive computing; runtime verification; computer systems performance; system health monitoring; enforcement of non-functional properties.

**Complex systems** – Finally, Modularity'14 invites works that explore and establish connections across disciplinary boundaries, bridging to such areas as biology, economics, education, infrastructure such as buildings or transport systems, and more.

## Important Dates
Round 1 – Paper submission: **July 25, 2013** – Notification: September 14, 2013
Round 2 – Paper submission: **October 13, 2013** – Notification: December 13, 2013

## Submission
For formatting instructions and page limit, please visit **http://aosd.net/2014/calls**

## Other Events
In addition to the Research Results track, Modularity'14 will host a Modularity Visions track, workshops, demonstrations, an ACM Student Research Competition, and a poster session. For more information about these events, please visit **http://aosd.net/2014/**

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Walter Binder

**Research Results Chair**
Erik Ernst

**Modularity Visions Chair**
Robert Hirschfeld

**Workshops Chair**
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**Demonstrations Chair**
Walter Cazzola

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