Japan. Endless Discovery.

# MODULARITY aosd 13

March 24–29, Fukuoka, Japan

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Modularity transcending traditional abstraction boundaries is essential for developing complex modern systems—particularly software and software-intensive systems. Aspect-oriented and other new forms of modularity and abstraction are attracting a great deal of attention across many domains within and beyond computer science. As the premier international conference on modularity, AOSD continues to advance our knowledge and understanding of separation of concerns, modularity, and abstraction in the broadest senses of these terms.

AOSD 2013 comprises two main tracks: **Research Results (RR)** and **Modularity Visions (MV)**. Both tracks invite full, scholarly papers of the highest quality.

**Research Results** (RR) papers are expected to contribute significant new research results with rigorous and substantial validation of specific technical claims based on scientifically sound reflections on experience, analysis, or experimentation. AOSD 2013 Research Results is deeply committed to eliciting works of the highest caliber. To this aim, three separate paper submission deadlines and review stages are offered. A paper accepted in any round will be published in the proceedings and presented at the conference. Promising papers submitted in an early round that are not accepted may be invited to be revised and resubmitted for review by the same reviewers in a later round. Authors of such invited resubmissions are asked to also submit a letter explaining the revisions made to the paper to address the reviewers' concerns. While there is no guarantee that an invited resubmission paper will be accepted, this journal-like procedure is designed to help authors of promising work publish their papers. Authors who submitted to an early round may resubmit a rejected work to a subsequent round, in which case new reviewers may be appointed.

The **Modularity Visions** track of AOSD 2013 (MV) seeks papers presenting compelling new ideas in modularity, including strong cases for significance, novelty, validity, and potential impact based on thorough, scholarly argumentation and early results. Reviewing of MV contributions will be based on norms applied to peer-reviewed proposals to research programs that demand breakthrough potential. Papers must present new perspectives on, or approaches to, important problems, and must formulate clear hypotheses, justified by analysis or results from preliminary work. Submissions must also contain an evaluation of the potential significance and risks of its ideas, articulate how progress can be evaluated, and discuss related and required future work.

**Important Dates:**

- RR Round 1: Submission: May 7 / Notification: June 25
- RR Round 2: Submission: July 23 / Notification: September 10
- RR Round 3: Submission: October 8 / Notification: December 10
- MV Submission: July 23 / Revision: September 10 / Notification: December 10

Accepted papers will be published by the ACM in the AOSD 2013 conference proceedings, and will appear in the ACM Digital Library.

Topics of interest include, but are not limited to, the following: complex systems, software design and engineering, programming languages, cyber-physical systems, varieties of modularity (such as context orientation, feature orientation, model-driven development, generative programming, software product lines, and reflection), tools, applications, and other areas across the whole system life cycle. Because modularity has emerged as a vital theme in many domains (from biology to economics to engineered systems to software and software-intensive systems, and beyond), AOSD 2013 invites submissions that explore and establish connections across such disciplinary boundaries.

**Other Events:** In addition to the main tracks, AOSD 2013 will host an **Industry Track**, co-located **Workshops**, **Demonstrations**, and **Student Events**.

**The Venue: Fukuoka** is the political, economical, and cultural center of Kyushu, the southernmost of Japan's four main islands, and is renowned for its historic attractions and fresh seafood. Located about 900 km west of Tokyo, it has convenient access from all over the world via more than 200 daily flights through Asian major hubs including Tokyo, Osaka, Seoul, Shanghai, Beijing, and Hong Kong.

http://aosd.net/2013