15th International Conference on MODULARITY

March 14–17, **Málaga**, Spain

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http://2016.modularity.info

Modularity shapes the quality of 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 remain poorly understood, such things as the limits to modularity, the mechanisms needed to achieve it in given forms, and its costs and benefits. Significant advances in modularity 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.

Modularity at the semantic as well as the syntactic level is a key enabler for the expression of high quality software systems. One of the most important techniques for complexity management during the creation of software is abstraction. Novel concepts and abstraction mechanisms are a focus point for improvements in the support for modularity.

The 2016 edition of the **Modularity conference (formerly AOSD)** sets out to advance our understanding of these issues and the expressive power of new and known techniques.

Research areas and topics of interest (not limited to):

- new modularity mechanisms in programming, modeling, and domain-specific languages
- evaluation of modularity mechanisms in case studies
- understanding modularity in the context of development processes, collaboration, and organizational aspects
- role of modularity in the evolution of software systems
- measuring modularity
- modular re-engineering of legacy code
- domain analysis

- mathematics of modular paradigms for (automated) software construction
- module (feature) interactions
- novel module verification and testing techniques
- mining software repositories to develop theories related to modularity
- cost-benefit models of modularity mechanisms and techniques
- usability of interfaces and modularity mechanisms
- modularity supported by tools, such as view extraction, visualization, recommendation, and refactoring tools

IMPORTANT DATES:

Abstracts (recommended):
October 30, 2015 (Fri)

Papers:
November 6, 2015 (Fri)

Primary notification:
December 11, 2015 (Fri)

Revised papers due:
January 8, 2016 (Fri)

Final notifications:
January 22, 2016 (Fri)

Camera ready versions due:
February 5, 2016 (Fri)

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