

NSAD 2016

6th Numerical and Symbolic Abstract Domains Workshop
September 11, 2016, Edinburgh, Scotland

Co-located with SAS 2016



Objectives & Scopes

Abstract domains are a key notion in Abstract Interpretation theory and practice. They embed the semantic choices, data structures and algorithmic aspects, and implementation decisions. The Abstract Interpretation framework provides constructive and systematic formal methods to design, compose, compare, study, prove, and apply abstract domains. Many abstract domains have been designed so far: numerical domains (intervals, congruences, polyhedra, polynomials, etc.), symbolic domains (shape domains, trees, etc.), but also domain operators (products, powersets, completions, etc.), which have been applied to several kinds of static analyses (safety, termination, probability, etc.). The Sixth International Workshop on Numerical and Symbolic Abstract Domains is intended to discuss on-going work and ideas in the field.

The program of NSAD 2016 will primarily consist of presentations of refereed papers. Contributions are welcomed on all aspects of abstract domains, including, but not limited to: numeric abstract domains, symbolic abstract domains, extrapolations and accelerations, compositions and operations on abstract domains, data structures and algorithms for abstract domains, novel applications of abstract domains, implementations, practical experiments and comparisons.

Submission

All submitted papers will be peer-reviewed by the program committee. Submitted papers should not exceed **12 pages** including bibliography, and follow the **ENTCS** guidelines. Submitted papers may include, in addition, an appendix containing technical details, which reviewers may read or not, at their discretion. Papers must be written and presented in English, and describe

original work that does not substantially overlap with papers that have been published or that are simultaneously submitted to a journal, conference, or workshop with refereed proceedings. The NSAD 2016 proceedings will be published electronically in a volume of the Electronic Notes in Theoretical Computer Science series by ScienceDirect, Elsevier.

To submit a paper visit the workshop webpage.

Important dates

Paper Submission: June 19, 2016 AoE (Extended)

Acceptance Notification: *July 18, 2016*

Camera ready: *August 08, 2016*

Workshop: *September 11, 2016* (right after SAS)

Program Committee

Liqian Chen (NUDT)

Mila Dalla Preda (Univ. of Verona)

Samir Genaim (Universidad Complutense de Madrid)

Isabella Mastroeni - **PC chair** (Univ. of Verona)

Matt Might (University of Utah)

Sylvie Putot (LIX)

Edward Robbins (University of Kent)

Axel Simon (Google Inc.)

Damiano Zanardini (Universidad Politécnic de Madrid)

Please consult <http://nsad16.di.univr.it> or contact the PC chair (isabella.mastroeni@univr.it).

