

# CALL FOR PAPERS

## ATVA 2013

11th International Symposium on Automated Technology for Verification and Analysis

**October 15 - 18, 2013, Hanoi, Vietnam**

<http://uet.vnu.edu.vn/atva2013/>

The ATVA series of symposia is intended to promote research in theoretical and practical aspects of automated analysis, verification and synthesis in Asia by providing a forum for interaction between the regional and international research communities and industry in the field. The previous editions of the symposium were held in Taiwan, Beijing, Tokyo, Seoul, Macao, Singapore, Taipei and Thiruvananthapuram. Organised by the University of Engineering and Technology – VNU Hanoi, ATVA 2013 will be held in the campus of Vietnam National University, Hanoi from October 15th to October 18th, 2013.

### Scope

ATVA 2013 solicits high quality submissions in areas related to the theory and practice of automated analysis and verification of hardware and software systems. Topics of interest include, but are not limited to:

- Formalisms for modeling hardware, software and embedded systems
- Specification and verification of finite-state, infinite-state and parameterized system
- Program analysis and software verification
- Analysis and verification of hardware circuits, systems-on-chip and embedded systems
- Analysis of real-time, hybrid, priced/weighted and probabilistic systems
- Deductive, algorithmic, compositional and abstraction/refinement techniques for analysis and verification
- Analytical techniques for safety, security, and dependability
- Testing and runtime analysis based on verification technology
- Analysis and verification of parallel and concurrent hardware/software systems
- Verification in industrial practice
- Applications and case studies

Theory papers should preferably be motivated by practical problems, and applications should be based on sound theory and should solve problems of practical interest.

### Submission

Submissions are invited in two categories: regular research papers and tool papers. Submitted papers must present original and unpublished work, and must not be concurrently submitted to any other conference or journal.

Regular paper submissions are restricted to 15 pages in Springer's LNCS format, and tool paper submissions are restricted to 4 pages in the same format. Proofs and details omitted due to space constraints may be put in an appendix. Any such additional material will be read by reviewers/program committee members at their discretion. Authors are therefore urged to include details necessary for evaluation of the technical merit of their work within the prescribed page limits.

Tool papers must include information about a URL from where the tool can be downloaded or accessed on-line for evaluation. The URL must also contain a set of examples, and a user's manual that describes usage of the tool through examples. In case the tool needs to be downloaded and installed, the URL must also contain a document clearly giving instructions for installation of the tool on Linux/Windows/MacOS.

Authors must upload PDF files of their papers through EasyChair at:

<https://www.easychair.org/conferences/?conf=atva2013>

Accepted papers in both categories will be published by Springer as a LNCS volume. At least one author of each accepted paper must also register for the conference and present the paper.

### Keynote Talks and Tutorials

Keynote talks and tutorials will be given by:

- Alessandro Cimatti (ITC-IRST, Italy)
- Marta Kwiatkowska (Oxford, UK)
- Jerome Leroux (Bordeaux, France)

### Important Dates

- **April 06, 2013: Paper submission deadline**
- Jun 1, 2013: Paper acceptance/rejection notification
- July 5, 2013: Camera-ready copy deadline
- October 15 - 18, 2013: Main conference & Tutorials

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## Conference Venue

Historical Campus, Vietnam National University,  
19 Le Thanh Tong Street, Hoan Kiem District,  
**Hanoi, Vietnam.**