

# Call for Papers

## *Compositional Verification of UML Models*

### Workshop of the UML 2003 Conference

The definition of UML has been motivated by the need for a standard notation for modelling system architectures and behaviours at functional and implementation level. The main focus has been essentially on terminology, notation and syntax without addressing semantic, validation and methodology issues which are important for formal design and verification techniques. This workshop addresses the application of formal methods and techniques that exploit the architectural structure of UML models in a compositional manner.

#### TOPICS

The workshop topics include (but are not limited to):

- semantic foundations of architectural and component-based design within UML
- compositional techniques for the analysis embedded and real-time systems in UML
- compositional model checking of UML behavioural models
- compositional deductive methods based on OCL
- methodologies based on compositional formal techniques

#### FORMAT OF THE WORKSHOP

The workshop will consist of presentations of the accepted papers, which will be the basis for an intensive discussion on the workshop topics. Extended abstracts of the presentations will be published after the workshop by Elsevier Science as a volume of the *Electronic Notes in Theoretical Computer Science*.

For an up-to-date program and invited talks see the workshop web-site <http://fmco.liacs.nl/compuml.html>

#### SUBMISSIONS

Authors are invited to submit by August 25th an extended abstract not exceeding 20 pages electronically to [F.S.de.Boer@cw.nl](mailto:F.S.de.Boer@cw.nl). Submissions must be either in Postscript or PDF format and prepared for USLetter or A4 page sizes.

Submissions will be evaluated by the program committee for inclusion in the proceedings, which will be published by Electronic Notes in Theoretical Computer Science series. Papers must contain original contributions, be clearly written, and include appropriate reference to and comparison with related work. Simultaneous submissions to other conferences are not allowed.

#### IMPORTANT DATES

25 August	<b>Submission deadline</b>
10 September	Notification to authors
1 October	Deadline for preliminary version
21 October	Workshop date
21 November	Deadline for final version

#### PROGRAM COMMITTEE

Frank de Boer (CWI, NL)  
Marcello Bonsangue (LIACS, NL)  
Werner Damm (OFFIS, DE)  
Susanne Graf (Verimag, France)  
David Harel (Weizmann Institute, Israel)  
Jozef Hooman (University of Nijmegen, NL)  
Bernhard Josko (OFFIS, DE)  
Amir Pnueli (Weizmann Institute, ISR)  
Willem-Paul de Roever (Kiel University, DE)  
Joseph Sifakis (Verimag, FR)

#### ORGANIZERS

Frank de Boer (CWI, NL)  
Marcello Bonsangue (LIACS, NL)  
Bernhard Josko (OFFIS, DE)

#### SPONSORS

This workshop is sponsored by the European R&D project *OMEGA – Correct Development of Real-time Embedded Systems* (<http://www-omega.imag.fr>), and the German-Dutch project *Mobi-J* (main sponsor of FMCO, <http://fmco.liacs.nl>).