

## Call for Papers

# Third Workshop on Testing Aspect-Oriented Programs (WTAOP'07)

In conjunction with



Aspect-Oriented Programming (AOP) is a new paradigm for dealing with concerns that cut across system components. It aims to encapsulate crosscutting concerns into aspects with the advice invoked at the designated points of program execution. While AOP improves the modularity of crosscutting concerns, the features and mechanisms of AOP also yield new fault types. New strategies, techniques, and practices are required for the quality assurance of aspect-oriented programs.

The Third Workshop on Testing Aspect-Oriented Programs (WTAOP'07) will bring together researchers and practitioners to discuss the challenges and issues associated with the testing of aspect-oriented programs. WTAOP'07 will continue the work of the previous workshops held in conjunction with AOSD 2005 and ISSTA 2006 (<http://cyborg.eecs.wsu.edu/wtaop/>). The goals of WTAOP'07 include the following:

- Defining a research agenda for the testing of aspect-oriented programs,
- Identifying needed testing techniques, strategies, and tools,
- Framing the problems that pose essential testing challenges that are peculiar to aspect-oriented programming.

### Topics of Interest

We solicit position papers on all aspects pertaining to the testing of aspect-oriented programs. Topics of interest include, but are not limited to, the following:

- Unit testing of aspects
- Testing of woven artifacts
- Prediction of emergent aspect behaviors
- Fault models of AOP
- Model/specification-based testing of aspects
- Early aspects and testing
- Test coverage criteria for aspects
- Evaluation of aspect testing methods
- Differences/commonalities in testing OOP/AOP
- Automation of aspect testing
- Case studies

### Submission Guidelines

Submissions should be in the ACM SIG proceedings publication format nine point font or larger, and should be no longer than six pages, including all text, references, appendices, and figures. The expectation is that papers accepted at the workshop will eventually lead to full-length papers at high-quality conferences or journals. Papers must be submitted in PDF, postscript, or Word format to Dr. Dianxiang Xu at [dianxiang.xu@ndsu.edu](mailto:dianxiang.xu@ndsu.edu) by the deadline for paper submission.

### Review Process and Publication

Submitted papers will be reviewed by the program committee. Selections will be based on content, quality, and relevance. Accepted papers will be published in the ACM digital library. Authors of the best position papers and those leading to the most constructive discussions at the workshop will be invited to submit a suitably expanded form of the paper for a journal special issue or section.

### Important Dates

Deadline for paper submission: January 15, 2007  
Notification of acceptance: February 2, 2007  
Deadline for final contributions: February 16, 2007  
Workshop at AOSD: Tuesday, March 13, 2007

### Program Co-Chairs

Dianxiang Xu, North Dakota State University, USA  
Roger T. Alexander, Washington State University, USA

### Program Committee

Jack Hagemester, Washington State University, USA  
Xudong He, Florida International University, USA  
Jun Kong, North Dakota State University, USA  
Cristina V. Lopes, University of California, Irvine, USA  
David H. Lorenz, University of Virginia, USA  
Aditya Marthur, Purdue University, USA  
Dehla Sokenou, GEBIT Solutions, Berlin, Germany  
Eric Wong, University of Texas at Dallas, USA  
Tao Xie, North Carolina State University, USA  
Jianjun Zhao, Shanghai Jiao Tong University, China  
Hong Zhu, Oxford Brookes University, UK

For more information, visit the workshop website: <http://www.aosd.net/workshops/aotest/2007/WTAOP07.html>