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Seventh AOSD Workshop on Aspects, Components, and Patterns  
for Infrastructure Software (ACP4IS)

March 31, 2008  
Brussels, Belgium

<http://aosd.net/workshops/acp4is/2008>

A one-day workshop to be held in conjunction with the  
Seventh International Conference on  
Aspect-Oriented Software Development (AOSD'08),  
March 31 - April 4, 2008, Brussels, Belgium  
<http://aosd.net/conference>

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#### DESCRIPTION

ACP4IS provides a highly interactive forum for researchers and developers to discuss the application of and relationships between aspects, components, and patterns within modern "systems infrastructure" software: e.g., application servers, middleware, virtual machines, compilers, operating systems, embedded systems, web services and other software that provides general services for higher-level applications.

Topics of interest include:

- Approaches that combine or relate component-, pattern-, and aspect-based techniques
- Aspect languages for infrastructure software
- Container-, ORB-, and system-based separation of concerns
- Support for Web services in middleware infrastructure
- Architectural techniques for particular system concerns, e.g., security, static and dynamic optimization
- Aspect mining within infrastructure software
- Application- or domain-specific optimization of systems
- Reasoning and optimization across architecture layers
- Resource consumption of AOP approaches
- Timing behavior of AO-code
- Aspects and patterns for real-time and embedded systems
- Dimensions of infrastructure software quality including comprehensibility, configurability, reliability, evolvability, scalability
- Quantitative and qualitative evaluations

#### ELECTRONIC SUBMISSION

Invitation to the workshop will be based on accepted position and technical papers, 3-6 pages in length. Papers should be electronically submitted as PDF documents in ACM format through the ACP4IS 2008 online submission system found at:  
<http://www.easychair.org/conferences/?conf=acp4is08>.

Paper submissions will be reviewed by the workshop program committee and designated reviewers.  
Papers will be evaluated based on technical quality, originality, relevance, and presentation.

#### PUBLICATION OF PAPERS

Accepted papers will be published as workshop proceedings in the ACM digital library. Excellent contributions will additionally be selected for publication in a special ACP4IS journal issue (IEE) planned for end of 2008.

#### IMPORTANT DATES

- Submission Deadline: January 25, 2008
- Notification of Acceptance: February 15, 2008
- Workshop: March 31, 2008

#### PROGRAM COMMITTEE

- Julia Lawall, DIKU
- Gilles Muller, Ecole des Mines de Nantes
- Olaf Spinczyk, University of Dortmund
- Aleksandra Tesanovic, Philips Research Laboratories
- Charles Zhang, Hong Kong University of Science and Technology
- Hidehiko Masuhara, University of Tokyo
- Jeff Gray, University of Alabama at Birmingham
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- Michael Haupt, Hasso-Plattner-Institut, University of Potsdam
- Shigeru Chiba, Tokyo Institute of Technology
- Eddy Truyen, KU Leuven
- Robert Grimm, NYU
- Hridayesh Rajan, Iowa State University

#### ORGANIZERS

- Celina Gibbs, University of Victoria, Canada
- Daniel Lohmann, FAU Erlangen-Nuernberg, Germany
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#### STEERING COMMITTEE

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- Yvonne Coady, University of Victoria
- David Lorenz, University of Virginia