



CALL FOR PAPERS

International Workshop on

# Programming Support Innovations for Emerging Distributed Applications

PSI EtA— $\psi\eta$  2010

Held in conjunction with SPLASH 2010

Reno/Tahoe, Nevada

Oct. 17, 2010

<http://research.cs.vt.edu/vtspaces/workshop/>

## Important Dates

Submission deadline	August 30, 2010
Acceptance notification	September 14, 2010
Camera-ready deadline	October 4, 2010
Workshop date	October 17, 2010

## Program Co-Chairs

- Eli Tilevich, *Virginia Tech*
- Patrick Eugster, *Purdue University*

## Program Committee

- Gustavo Alonso, *ETH Zürich*
- Godmar Back, *Virginia Tech*
- Shigeru Chiba, *Tokyo Institute of Technology*
- Charles Consel, *INRIA / University of Bordeaux*
- John Field, *IBM Research*
- Buğra Gedik, *IBM Research*
- Jon Howell, *Microsoft Research*
- Hans-Arno Jacobsen, *University of Toronto*
- Christine Julien, *UT Austin*
- Valérie Issarny, *INRIA Paris - Rocquencourt*
- Chandra Krintz, *UCSB*
- Erik Meijer, *Microsoft Research*
- Richard Schantz, *BBN Technologies*
- Liuba Shrira, *Brandeis University*
- Mario Südholt, *Ecole des Mines de Nantes*

## Objectives

Distribution has become a necessity for the majority of computing domains, but developing distributed applications remains a highly delicate and complex task. Several emerging distributed computing and application domains, including cloud computing, service-oriented computing, stream processing, sensor networks, and context-aware computing, pose unprecedented challenges to the programmer. Applications in these domains can deliver tangible benefits to the user once they enter the mainstream of industrial software development. What is hindering the wide adoption and use of these applications is the prevalence of ad-hoc programming practices in their software development process. The goal of this workshop is to explore programming support innovations that can address the incongruence between the advanced programming requirements of emerging distributed applications and the current state of the art of their programming support. To that end, the workshop will provide a venue for free and open discussions among academic researchers and industry practitioners of distributed applications.

Possible topics for contributions include, but are not limited to:

- Programming frameworks
- Domain specific languages
- Code generators
- Middleware systems
- Program transformation systems
- Extensible languages
- Component technologies
- Product-line architectures
- Advanced separation of concerns

## Submission Guidelines

All papers must be submitted electronically, in PDF format, through EasyChair <https://www.easychair.org/login.cgi?conf=psieta10>. Submissions must not exceed 5 pages, in the ACM SIGPLAN 10 point format. Templates for Word and LaTeX are available at <http://www.acm.org/sigs/sigplan/authorInformation.htm>. Accepted papers will be published in the ACM Digital Library.