



# Testing Academia & Industrial Conference

## Practice And Research Techniques

**TAIC PART** is a testing workshop that aims to forge collaboration between industry and academia on the challenging and exciting problem of software testing. It is sponsored by representatives of both industry and academia, bringing together commercial and industrial software developers and users with academic researchers working on the theory and practice of software testing.

The conference will be held at Cumberland Lodge, Windsor, UK, 29th-31st August, 2006. Cumberland Lodge is a former royal residence given to the nation in 1946 by the late Queen Mother. It is an ideal setting for a productive and enjoyable conference, providing world-class conference facilities in an ideal location, which resonates with centuries of historical significance, dating back to the mid 17th century.

### Call for Papers

Authors are invited to submit papers describing original research, experience, tools or industrial "challenges" in testing.

**Research paper** topics include:

- Theory of testing (adequacy criteria, relationship with formal methods etc.)
- Testing strategies (black-box, white-box, non-functional, state-based etc.)
- Test data generation techniques (search-based, constraint logic etc.)
- Model based testing and model checking
- Process issues and methods

**Experience papers** should describe industrial experience applying testing techniques and/or tools to commercial projects or open source solutions; the problems tackled and the results.

**Tools papers** should describe novel developments in environments and systems of potential benefit to the testing community.

**Industrial "challenge" papers** should have at least one author whose affiliation is non-academic and should describe an example of a real-world software testing problem, for which help is sought from the academic research community.

<http://www.taicpart.org>



*Cumberland Lodge, Windsor, UK*

**General Chair** Professor Mark Harman  
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**Program Chair** Dr Phil McMinn  
*University of Sheffield*  
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**Local Arrangements Chair** Zheng Li  
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**PhD Program Chair** David Willmor  
*University of Manchester*  
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### Industrial Sponsors

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The full proceedings will be published by the IEEE Computer Society. Materials for the proceedings should be typeset to conform to IEEE conference style guidelines. These are described and mirrored at <http://www.taicpart.org/formatting.php>. There is a page limit for all submissions. For research papers this is 10 pages in IEEE conference style format. For "challenge", "tools" and "experience" submissions the page limit is 5 pages in IEEE conference style format. All papers should be submitted electronically via the website – <http://www.taicpart.org/papersubmission.php>.

There will be a special issue of the Software Testing, Verification and Reliability (STVR) journal containing extended versions of selected papers from TAIC PART 2006.

## PhD Program

The workshop will include a half-day PhD program. The goal of the half-day PhD program is to provide a supportive yet questioning setting in which students can present their work. Students will be able to discuss their goals, methods, and results at an early stage in their research. The PhD program aims to provide useful guidance for completion of the dissertation research and initiation of a research career. Students should consider participating in the PhD program after having settled on a research area or dissertation topic. Submissions should be in the form of a research abstract and submitted to the website as for other papers. This should be a maximum of 4 pages long in IEEE conference style format. Abstracts will be reviewed separately from the other types of submission, but are subject to the same deadlines. For more information, contact David Willmor, email: [d.willmor@cs.manchester.ac.uk](mailto:d.willmor@cs.manchester.ac.uk), or visit the website – <http://www.taicpart.org/phdprogram.php>

## Important Dates

Deadline for submission of papers: *Friday 21st April 2006*

Notification of acceptance: *Monday 29<sup>th</sup> May 2006*

Workshop: *Tuesday 29<sup>th</sup> - Thursday 31st August, 2006*

## Keynote Speakers

John Hatcliff, Kansas State University, USA

Bill Woodworth, Corporate Director of IBM Quality Software Engineering , IBM

## Program Committee (confirmed so far)

### Academic Members

Giulio Antoniol, *University of Sannio*, Italy  
Kirill Bogdanov, *University of Sheffield*, UK  
David Binkley, *Loyola College Maryland*, USA  
Jonathan Bowen, *London South Bank University*, UK  
Myra Cohen, *University of Nebraska-Lincoln*, USA  
Mireille Ducassé, *IRISA / INSA de Rennes*, France  
Mark Harman, *Kings College London*, UK  
John Hatcliff, *Kansas State University*, USA  
Rob Hierons, *Brunel University*, UK  
Mike Holcombe, *University of Sheffield*, UK  
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Bev Littlewood, *City University London*, UK  
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Phil McMinn, *University of Sheffield*, UK

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### Industrial Members

Paul Baker, *Motorola*, UK  
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