



## Preliminary Programme

2<sup>nd</sup> Workshop on the

### Certification of Safety-Critical Software Controlled Systems (SafeCert '09)

A satellite event to ETAPS 2009  
Sunday, 29 March 2009  
York, UK

#### 09:00 – 10:30 Session 1

##### Welcome and Opening Address

Michaela Huhn, Hardi Hungar

##### Java for Safety-Critical Applications

James J. Hunt, Doug Locke, Kelvin Nilsen, Martin Schoeberl, Jan Vitek

##### Safe-UML - Restricting UML for the Development of Safety-Critical Systems

Hardi Hungar, Oliver Robbe, Boris Wirtz

#### 10:30 – 11:00 Tea Break

#### 11:00 – 12:30 Session 2

##### Towards an OO Approach to OO System Safety

Richard Hawkin, Tim Kelly

##### Transformation Heuristics for Formal Requirements Validation by Animation

Atif Mashkooor, Jeanine Souquières, Jean-Pierre Jacquot

#### 12:30 – 14:00 Lunch Break

#### 14:00 – 15:30 Session 3:

##### Issues in Tool Qualification for Safety-Critical Hardware: What Formal Approaches Can and Cannot Do

Brian Butka, Andrew Kornecki, Janusz Zalewski

##### Tool Qualification - A View from Industry

Ralf Pinger

#### 15:30-16:00 Tea Break

#### 16:00 – 18:30 Session 4:

<title to be announced>

Michaela Huhn

##### A Tool-Supported Process for Developing Safety-Critical Rail Systems

Oliver Plan, A. Kalkbrenner, Ralf Sanders, Oliver Lemke, Hardi Hungar

##### Position Statements and Discussion on Issues of Certification of Safety-Critical Software Controlled Systems

Workshop Participants

##### Workshop Summary

Michaela Huhn, Hardi Hungar

#### Links

SafeCert: <http://safecert09.offis.de> ETAPS: <http://www.cs.york.ac.uk/etaps09/>