



## Programme

Workshop on the

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

**A satellite event to ETAPS 2008  
Saturday, 29 March 2008  
Budapest, Hungary**

#### **09:00 – 10:30 Session 1: Opening and Invited Talk**

##### **Welcome and Opening Address**

Michaela Huhn, Hardi Hungar

##### **Invited Talk: Applying Formal Methods in Software Certification**

Constance Heitmeyer, Naval Research Laboratory, USA

#### **10:30 – 11:00 Coffee Break**

#### **11:00 – 12:30 Session 2: Software Certification and Safety Cases**

##### **A Software Certification Consortium and its Top 9 Hurdles**

J. Hatcliff, M. Heimdahl, M. Lawford, T Maibaum, A. Wassyn, F. Wurden  
Kansas State U., U. of Minnesota, McMaster U., Microsoft Corp.

##### **Deriving Safety Cases for the Formal Safety Certification of Automatically Generated Code**

N. Basir, E. Denney, B. Fischer; Southampton U., NASA Ames Res. Center

##### **A Generic Goal-Based Certification Argument for the Justification of Formal Analysis**

Habli, T. Kelly; Univ. of York

#### **12:30 – 14:00 Lunch Break**

#### **14:00 – 16:00 Session 3: Formal Methods in Certification / Short Presentations**

##### **Convincing Proofs for Program Certification**

M. Garnacho, M. Périn; Univ. de Grenoble

##### **The Importance of Being Formal.**

U. Frese, D. Hausmann, C. Lüth, H. Täubig, D. Walter; Univ. Bremen, DFKI Bremen

##### **Model-Based Safety Cases for Software-Intensive Systems (Short Presentation)**

P. Braun, J. Philipps, B. Schätz, S. Wagner; Validas AG, Tech. Univ. Munich

##### **Poster Presentations**

Budapest Univ., OFFIS

#### **16:00 – 16:30 Coffee Break**

#### **16:30 – 18:00 Session 4: Poster Presentations, Position Statements and Discussion**

##### **Poster Presentations**

Rail Automation Graduate School, Siemens AG (further presenters tba)

##### **Position Statements**

Workshop Participants

##### **Discussion and Workshop Wrap-Up**

Workshop Participants

#### **Links**

SafeCert: <http://safecert08.offis.de>

ETAPS: <http://etaps08.mit.bme.hu>