

# » CARDIS'04

Toulouse, France

August 23-26, 2004

WG 8.8 — Smart Cards  
WG 11.2 — Small System Security

Sixth Smart Card Research and Advanced Application IFIP Conference

## Call for Papers

The 6<sup>th</sup> Smart Card Research and Advanced Application IFIP Conference, organized by IFIP Working Groups WG8.8 and WG11.2, will be part of the 18<sup>th</sup> IFIP World Computer Congress ([www.wcc2004.org](http://www.wcc2004.org)), held in Toulouse, August 22-27, 2004.

Since 1994, CARDIS has been the premier international research conference dedicated to smart cards and their applications. Every two years the scientific community meets together for the conference. Ten years after, like its predecessors and back to Europe and France, CARDIS'04 will bring together researchers and practitioners in the development and deployment of smart card technologies and applications.

The smart card, or, by extension, smart device with its processing power and link to its owner, is the good candidate for the person representation in the Information Society. Smart card or smart device will be the potential human representation or delegate in Ambient Intelligence (Pervasive Computing), where every appliances and computers will be connected, and where control and trust of your environment will be the next decade challenge.

Smart card research is of increasing importance as the need for information security increases rapidly, especially in response to new and urgent demands. Smart card with its security features is a seed of secure system and will play a huge role in ID management. In many computer science areas, smart cards introduce new dimensions and disciplines. Disciplines like hardware design, operating system, modeling system, cryptography or distributed systems find new areas of applications or issues but also smart cards create new challenge for these domains.

Unlike events devoted to commercial and application aspects of smart cards, CARDIS conferences gather researchers and technologists who are focused in all aspects of the design, development, deployment, validation and application of smart cards or smart personal devices.

### Conference scope

The program committee seeks papers describing the design, development, application, and validation of smart card technologies. Submissions across a broad range of smart card development phases are encouraged, from exploratory research and proof-of-concept studies to practical application and deployment of smart card technology.

Topics of interest include, but are not limited to:

- Smart Device, Person Representation and Ambient Intelligence
- Smart Device, Identity, Privacy and Trust
- Smart Card and Smart Device software (OS, VM, API...)
- High-level data model and management (On-card data sharing schemes...)
- Integrated development environments (automatic mask & application generation)
- (Distributed) Application development and deployment
- Emerging opportunities for standardization
- From Smart Card to Smart Device (hardware, form factor, display...)
- Biometrics and Smart Cards
- High-speed, small-footprint encryption
- Cryptographic accelerators
- Cryptographic protocols for Smart Cards (and Smart Devices)
- Attacks and countermeasures in hardware and software
- Hardware, software and service (application) validation and certification
- Formal Modelling
- Benchmarking
- Smart Card (Smart Device) and Applications in Internet, WLAN, DRM,...

### Instructions for paper submission

Submitted papers should represent novel contributions related to the topics listed above. They must be original, unpublished, and not submitted to another conference or journal for consideration of publication. Papers must be written in English; they should be at most **16 pages** long in total, including bibliography and well-marked appendices. The paper should be intelligible without its appendices. When appropriate, authors should arrange for a release for publication from their employer prior to submission. Papers accompanied by non-disclosure agreement forms are unacceptable and will be returned to the author(s) unread. Accepted papers will be presented at the conference and published in the conference proceedings, by Kluwer Academic Publishers. At least one author of each accepted paper is required to register with the conference and present the paper.

Abstract and papers must be submitted in electronic form through the web to [www.wcc2004.org/cardis](http://www.wcc2004.org/cardis). All submissions will be acknowledged automatically by e-mail. If you have not received an e-mail acknowledgement within 72 hours of submitting your paper or abstract, please contact [cardis-submission@wcc2004.org](mailto:cardis-submission@wcc2004.org). To submit a paper, you must first submit an abstract by **February 9, 2004**. After abstract submissions, the contact author will receive a paper number by e-mail. Using this paper number, you must then submit the full paper by **February 16, 2004**, by uploading the corresponding PDF or PostScript file (these are the only accepted formats), which should follow the templates or style files indicated by the publisher ([www.wkap.com/ifip/styles](http://www.wkap.com/ifip/styles)). Please preview the manuscript in a viewer to ensure its integrity before submitting. Make sure you visually check uncommon fonts, symbols, equations, etc. A defective print can undermine your chances of success.

Papers submitted after **February 16, 2004**, or for which no abstract has been timely received, will be discarded without review.

**Best Paper Awards:** Awards will be handed over at the conference for the best paper and the best student paper.

### Conference General Chair

Jean-Jacques Quisquater, *Université Catholique de Louvain, Belgium*

### Local Organization Chair

Yves Deswarte, *LAAS-CNRS, France*

### Programme Committee Chair

Pierre Paradinas, *CNAM, France*

### Programme Committee (to include)

Boris Balacheff, *Hewlett-Packard Labs, UK*  
Edouard de Jong, *Sun Microsystems, USA*  
Josep Domingo-Ferrer, *Universitat Rovira i Virgili, Spain*

Jean-Bernard Fischer, *OCS, France*  
Pieter Hartel, *University of Twente, Netherlands*  
Peter Honeymann, *University of Michigan, USA*  
Dirk Husemann, *IBM Research, Switzerland*  
Gilles Grimaud, *RD2P, France*

Jean-Louis Lanet, *INRIA-DirDRI, France*  
Xavier Leroy, *INRIA & Trusted Logic, France*  
Mike Montgomery, *Schlumberger, USA*

Erik Poll, *Nijmegen University, Netherlands*  
Joachim Posegga, *SAP-Corporate Research, Germany*

Jean-Jacques Vandewalle, *Gemplus Labs, France*

J. Verschuren, *TNO-EIB, The Netherlands*

Serge Vaudenay, *EPFL, Switzerland*

Tim Wilkinson, *Hive Minded, USA*



### Important dates

Abstract submission	<b>9 February 2004</b>
Full Paper submission	<b>16 February 2004</b>
Notification to authors	<b>31 March 2004</b>
Camera-ready	<b>30 April 2004</b>