



Secure embedded implementations Application Design Track @ DATE 2010

Dresden, Germany - March 8-12, 2010

The **Design, Automation and Test in Europe conference and exhibition** is the main European event bringing together designers and design automation users, researchers and vendors, as well as specialists in the hardware and software design, test and manufacturing of electronic circuits and systems. The **Application Design Track** is devoted to the presentation and discussion of design experiences with a high degree of industrial relevance, as well as innovative design methodologies and use of specific design technologies in different application domains. The **Secure embedded implementations** topic (A4) is one of the nine topics foreseen in the Application Design Track.

This five-day event consists of a **conference** with plenary keynotes, regular papers, interactive presentations, panels and hot-topic sessions, tutorials, master courses and workshops. DATE is also Europe's leading commercial **exhibition** showing the state-of-the-art in design and test tools, methodologies, IP and design services. Both the conference and the exhibition, together with the many user group meetings, fringe meetings, university booth and social events offer a wide variety of opportunities to meet and exchange information.

TOPIC DESCRIPTION

Technologies and experiences in designing secure system-on-chips and embedded systems. Topics of interest include BUT are not limited to: novel techniques for embedded cryptography, side-channel attacks and fault attacks modeling, characterization, simulation and associated countermeasures, random numbers generation, embedded secure processors, trusted computing, off-chip memories and network on chip enciphering and integrity checking, trust establishment and attestation, protection against chip counterfeiting.

TOPIC TECHNICAL COMMITTEE

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SUBMISSION INSTRUCTIONS

All manuscripts must be submitted electronically before **September 6th, 2009**, following the instructions on the conference Web page:

www.date-conference.com

The accepted file formats are PDF and Postscript. Manuscripts received in hard-copy form will not be processed.

Papers can be submitted for either standard oral presentation or for interactive presentation. Standard oral presentations require novel and complete research work supported by experimental results, and are held in front of a full audience. Besides these, DATE will again include interactive presentations of novel ideas that may require additional research or lack experimental data. Presentations are given on a laptop in a face-to-face discussion area.

Submissions should not exceed 6 pages in length for oral-presentation and 4 pages in length for interactive-presentation papers, and should be formatted as close as possible to the final format: A4 or letter sheets, double column, single spaced, Times or equivalent font of minimum 10pt (templates are available on the DATE Web site for your convenience). To permit blind review, submissions should not include the author names. Any submission not in line with the above rules will be discarded.

All papers will be evaluated with regard to their suitability for the conference, originality and technical soundness. The Programme Committee reserves the right to accept interesting contributions that do not meet the criteria for standard oral presentations, as interactive presentations.

TOPIC CHAIRS

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