CALL FOR PAPERS

EDCC-6

Coimbra, Portugal - October 18-20, 2006

Sixth European Dependable Computing Conference

ORGANIZED BY SEE Working Group "Dependable Computing", France; GI/ITG/GMA TC on Dependability and Fault Tolerance, Germany; AICA Working Group "Dependability of Computer Systems", Italy

IN COOPERATION WITH University of Coimbra • Chalmers University • IFIP Working Group 10.4 "Dependable Computing and Fault-Tolerance" • IEEE TC on Fault-Tolerant Computing • EWICS Technical Committee on Safety, Reliability and Security (TC7)

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Organizations and individuals are becoming increasingly dependent on sophisticated computing systems. This dependency can take multiple forms: They might depend on a computer-based service being delivered continuously, on a overall performance level being achieved, on real-time response rate guarantees, on the extent to which catastrophic failures are avoided, or confidentiality violations prevented. These various concerns can be subsumed into the single conceptual framework of **dependability**, for which reliability, availability, safety and security, for example, can be considered as particular attributes.

The **sixth European Dependable Computing Conference** aims to provide a European venue for researchers and practitioners from all over the world to present and discuss their latest research results and developments. Papers are solicited on theory, techniques and tools for the design, validation, operation and evaluation of dependable computing systems. Besides traditional hardware and software faults, concerns include human interaction faults, be they accidental or malicious.

Major topics include, but are not limited to:

- Architectures for Dependable Computer Systems
- Dependability of Mobile Systems
- Architectures and Protocols for Computer Security
- Dependability of High-Speed Networks
- Dependability Measurement, Modelling and Evaluation
- Dependability in VLSI
- E-commerce, Grid and Web services Dependability
- Security
- Fault Tolerance in Multimedia Systems
- Fault Tolerance in Transaction Processing
- Fault Tolerance in Distributed & Real-Time Systems
- Hardware and Software Testing, Verification and Validation
- Information Assurance, Survivability, and Intrusion Tolerance
- Internet Dependability and Quality of Service
- Safety-Critical Systems
- Software Reliability Engineering
- Dependability Benchmarking

EDCC is the successor of two European conference series on fault tolerance and dependability as well as on aspects of testing and diagnosis. One of them, known as the «International Conference on Fault-Tolerant Computing Systems» was organized 1982-91 by the German Technical Interest Group «Fault Tolerant Computing Systems». The other series, known as the «International Conference on Fault-Tolerant Systems and Diagnostics», was organized 1975-90 in the former Czechoslovakia, Poland, Bulgaria and the former GDR. EDCC is organized every 2 or 3 years in European countries. EDCC-1 was held in Berlin (Germany) in October 1994, EDCC-2 in Taormina (Italy) in October 1996, EDCC-3 in Prague (Czech Republic) in September 1999, EDCC-4 in Toulouse (France) in October 2002 and EDCC-5 in Budapest (Hungary) in April 2005.

INFORMATION FOR AUTHORS: Manuscripts should be submitted in the following categories: Regular Papers, Practical Experience Reports, Prototype-Tool descriptions and Panels. **Regular Papers** should describe original research (not submitted or published elsewhere) and be not more than 20 double-spaced pages including figures and tables using 11-point type. **Practical Experience Reports** (5-12 pages) should describe an experience or a case study, such as the design and deployment of a system or actual failure and recovery field data. **Prototype-Tool** description papers (5-12 pages) should outline the design or implementation of a software tool, a prototype or an operational system, etc. **Panels** (2-4 pages) should describe the panel objectives, and include the bios of the Panel proposers and the probable panellists.

The title page of each submission should include a 150-word abstract, five keywords, authors' names and address and include a line specifying the submission category. The full mailing address, phone, fax and email address of the corresponding author should be specified. All submissions must be made electronically through the web at **http://edcc.dependability.org**

The proceedings of the conference will be published by the IEEE Computer Society.

Submission:	**April 17, 2006**
Notification:	**July 3, 2006**
Final version:	**July 31, 2006**

http://edcc.dependability.org

CALL FOR CONTRIBUTIONS TO THE STUDENT FORUM

The Student Forum welcomes futuristic, sometimes "off the wall" ideas in the area of Dependable Computing. Students should submit up to six page contribution, including tables and figures, which will be evaluated by the Student Forum Program Committee. The contribution should describe original research (not submitted or published elsewhere), singly authored by a student, and must be formatted in accordance to the IEEE Computer Society templates and instructions. The contributions must be submitted over the web.

The Proceedings of the Student Forum will be compiled and distributed at the conference, included in the Supplement to the proceedings of the Sixth European Dependable Computing Conference. By submitting to the Student Forum, you are committing yourself or one of your colleagues to present it at the conference.

Submission:	**May 1, 2006**
Notification:	**June 5, 2006**

CALL FOR FAST ABSTRACTS

Fast Abstracts are short presentations of work in progress or opinion pieces (maximum 2 pages in standard template from the IEEE Computer Society). Fast Abstracts aim to serve as a rapid and flexible mechanism to:

- Report on current work that may or may not be complete
- Introduce new ideas to the community
- State positions on controversial issues or open problems

Contributions relevant to the topics of the conference are welcome from academia and industry. Participants in this track will present a short talk and publish a two-page abstract in the Supplement to the proceedings of the Sixth European Dependable Computing Conference. A Fast Abstract must be submitted in its final form, ready to be printed. Fast Abstracts are limited to 2 pages, and the authors are required to follow IEEE Computer Society templates and instructions. Submissions must be made electronically, in either PDF or PostScript format.

Fast Abstracts will not be refereed. Instead, the Fast Abstracts Chair and the Conference Program Chair will lightly screen the submissions. The criteria for acceptance will be: i) relevance and interest to the community, and ii) arrival time. Therefore, authors are encouraged to send their submission well in advance before the final deadline. We will accept as many Fast Abstracts as possible, the amount is limited by the available presentation time at the conference. By submitting a Fast Abstract, you are committing yourself or one of your colleagues to present it at the conference.

The submission deadline is yet to be set.

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