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AICA – Associazione Italiana per l'Informatica ed il Calcolo Automatico



ARCS – Austrian Research Centers Seibersdorf

DIRC – Interdisciplinary Research Collaboration in Dependability of Computer-Based Systems



EACE – European Association of Cognitive Ergonomics



ENCRESS – European Network of Clubs for Reliability and Safety of Software

GI – Gesellschaft für Informatik



IFAC – International Federation of Automatic Control



IFIP – WG10.4 on Dependable Computing and Fault Tolerance
IFIP – WG13.5 on Human Error, Safety and System Development



ISA-EUNET

OCG – Austrian Computer Society



SCSC – Safety-Critical Systems Club

SRMC – Software Reliability & Metrics Club

SAFECOMP 2002 Organisation



The 21st International Conference
on
Computer Safety, Reliability
and Security
10-13 September 2002
Catania, Italy

www.safecomp.org



About the Conference

SAFECOMP 2002 will be held on 10-13 September 2002 in Catania, Italy. The European Workshop on Industrial Computer Systems, TC 7 on Reliability, Safety, and Security – EWICS TC7 – <http://www.ewics.org/> – established SAFECOMP in 1979. SAFECOMP is an annual 2.5-day event covering the state of the art, experience and new trends in the areas of computer safety, reliability and security regarding dependable applications of computer systems. SAFECOMP provides ample opportunity to exchange insights and experience on emerging methods and practical applications across the borders of the disciplines represented by participants.

Scope of the Conference

SAFECOMP focuses on safety-critical computer applications and is a platform for knowledge and technology transfer between academia, industry and research institutions. Papers are invited on all aspects of dependability and survivability of critical computer-based systems of systems and infrastructures. Due to the increasing integration and evolution of hybrid systems, SAFECOMP emphasises work in relation to human factors, system evolution, dependability and survivability. Nowadays practical experience points out the need of multidisciplinary approaches to deal with the nature of critical complex settings. SAFECOMP, therefore, is open to multidisciplinary work enhancing our understanding across disciplines. SAFECOMP welcomes original work neither published nor submitted elsewhere on both industrial and research experience. Examples of industrial and research topics include, but are not limited to,

Industrial Sectors: Accident Reports and Management – Aerospace and Avionics – Automotive – Banking and E-commerce – Bluetooth Devices – Critical National Information Infrastructures – Distributed and Real-time Systems – Euro Currency Transaction – Firewalls – Medical Systems – Networking and Telecommunication – Open Source Software – Power Plants – Programmable Electronic Systems – Railways – Responsibility in Socio-Technical Systems – Robotics – Safety Guidelines and Certification – Safety Standards – Safety-Critical Systems and Infrastructures – Smart Card Systems

Research Areas: Fault Tolerance – Commercial-Off-The-Shelf and Safety – Dependability and Survivability Analysis and Modelling – Dependability Benchmarking – Design for Dependability and Survivability – Diversity – Empirical Analyses – Evolution, Maintenance, Dependability and Survivability – Formal Methods, Dependability and Survivability – Human Factors, Dependability and Survivability – Internet Dependability – Intrusion Detection – System Modelling and Engineering – Qualitative Approaches for Dependability and Survivability – Quantitative Approaches for Dependability and Survivability – Safety, Reliability and Security – Safety and Risk Assessment – Dependable and Survivable Structures – System Dependability and Survivability – Verification, Validation and Testing

SAFECOMP 2002 Information

To have more and updated information about SAFECOMP 2002 and its related activities, please refer to the conference web page or alternatively email your information requests to – info@safecomp.org –.

Paper Submission

Paper submissions are via the conference web site; submit full papers as portable document format (pdf) or postscript (ps). Papers must clearly show the name, postal address, email address, and fax number of the contact author. 12 pages is the maximum admitted length for submitted papers in the LNCS format; templates can be found at Springer-Verlag web site – <http://www.springer.de/comp/lncs/> –. Papers exceeding the above limit may be rejected without review. Only papers neither published nor submitted elsewhere may be submitted for publication. The following declaration should be added to the submitted paper

“All necessary clearances for the publication of this paper have been obtained. If accepted, the author will prepare the final manuscript in time for inclusion in the conference proceedings and will present the paper at the conference.”

The language for all paper submissions and presentations at the conference is English, and no simultaneous translation will be provided.

Conference Proceedings and Journal Special Issue

After acceptance by the Programme Committee, the final paper is required in electronic version according to the file templates provided by the publisher. Accepted papers will appear in the conference proceedings that will be distributed at the conference. Springer-Verlag will publish the conference proceedings in the series Lecture Notes in Computer Science (LNCS) – <http://www.springer.de/comp/lncs/> –.

Extended and revised versions of the best papers accepted for the Conference will be peer-reviewed and published in a Special Issue of the international journal Reliability Engineering and System Safety (RESS) – <http://www.elsevier.com/locate/ress> – published by Elsevier.

Tutorial Submission

The day before the start of SAFECOMP 2002 is dedicated to tutorials. Tutorial submissions are via the conference web site. A one page tutorial proposal (1000 words) should accompany the submission describing the contents of the tutorial and the relevance to the conference.

Important Dates

Full paper submissions (firm) **10 Feb 2002**

Tutorial proposal submissions **7 Apr 2002**

Notification sent to authors **5 May 2002**

Camera-ready submissions (firm) **23 Jun 2002**

Exhibition and Tool Fair

A dedicated space will be organised for Exhibition and Tool Fair. Organisations requiring to show their own stands and products should submit their expression of interest according to the instructions provided on the conference web site.

Sponsors Program

To become a sponsor of SAFECOMP 2002, please refer to the information about the *Sponsors Program* in the conference web page.

The Host City

Catania is situated at the centre of the Ionian coast in eastern Sicily and extends from the sea to the low foothills of Etna, Europe’s highest active volcano. Historically Catania has been the gateway to many cultures, which are represented by different architectural styles (e.g., baroque) and monuments (e.g., the Greek-Roman Theatre). Due to its geographical position and history Catania represents a Mediterranean gate to Europe. Catania is the meeting point of the vast human and economic area of the Mediterranean, not just a confluence

of economic interests but convergence and confrontation of cultures and civilisations. In recent years industry has created new areas dedicated to productive activity. The establishment of hi-tech multinationals has given the name of “Etna Valley” to the industrial area. The modern Catania has become well-known for its technological revolution. Sicily a land of great beauty but also a productive land with industrial districts, comprising SMEs with strong export potential and of a growing desire for internationalisation.

Conference Venue

The Catania Sheraton Hotel – <http://www.sheratoncatania.com/> – is an elegant resort located on the Cyclops Coast, just 2 miles from the centre of Catania, and is located directly across the street from the beach. Sheraton Catania Hotel offers spacious meeting facilities, with professional staff and state-of-the-art technology to ensure that groups from 10 to 1,200 can count on successful event. And when it is time to unwind, pool and fitness facilities will help melt away life's stresses.

Co-located and Coordinated Events

SAFECOMP 2002 will be co-located and coordinated with The Eleventh Conference on Cognitive Ergonomics, ECCE-11. The ECCE-11 conference is organised by EACE – the European Association of Cognitive Ergonomics. The ECCE series of conferences has been organised biannually since 1982, thereby making it the oldest conference series of its kind internationally. ECCE brings together researchers in the domain of cognitive ergonomics, which aims at combining cognitive engineering and technical information processing system developments together to improve the design of joint interactive systems. ECCE-11 focuses on the practical issues of human interaction with technology in the context of work and in particular how human cognition affects, and is affected by work and working conditions. Human work has irreversibly become work

with technology and the nature of work has changed to make the role of human cognition more important. Modern society has come to depend on the safe and efficient functioning of a multitude of technological systems in areas as diverse as industrial production, transportation, communication, supply of energy, information, and materials, health and finance.

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