Call for Papers

Journal of the Brazilian Computer Society (JBCS)

Special Issue on
Dependable Computing

THEME

The Journal of the Brazilian Computer Society (JBCS - http://www.icmc.usp.br/~jbcs/) seeks high quality manuscripts for a special issue on Dependable Computing. The dependability of systems is known as the reliance that can justifiably be placed on the service the system delivers. Dependability has become an important aspect of computer systems since everyday life increasingly depends on them, which has left us vulnerable to their potential malfunction. The causes to these malfunctions can potentially be introduced in every step of their development, deployment and operation. With the advent of the Internet, in addition to inadvertent faults, systems must now be able to survive to malicious exploitation of imperfect computer systems. In this environment, how can one build dependable systems? What design principles are involved? How should these systems be evaluated?

This special issue is particularly interested in papers reporting on research that describe industrial projects, prototype systems, embedded system, middleware, wireless networks and mobile computing, Web applications, and other exploratory or emerging applications. The purpose of this special issue is to report works of researchers, designers and developers of dependable computing systems.

TOPICS

Major topics include, but are not limited to:

Architectures for Dependable Systems	Design for Testability
Safety-Critical Systems	Software Testing, Verification and Validation
Security of Computing Systems	Quality Assurance
Dependability in Networking	Dependability Modelling and Prediction
Dependability in Multimedia Systems	Survivability of Computing Systems
Dependability in Mobile Computing	Dependable Applications
Software Fault Tolerance	Clustered Computing
Fault Tolerance for Component Based Software	Internet Applications and Electronic Commerce Middleware

SUBMISSION

Submissions must be in English and should be no more than 20 pages long, including all text, figures and references. The final manuscript should be approximately 8000 words in length. The first page should contain the title of the paper, author(s) names and affiliation(s), keywords (not more than 6 keywords), abstract (no more than 250 words) and the name, fax number and complete mailing address (both postal and e-mail) of the person to whom correspondence should be sent. All contributions will be acknowledged and refereed.

Manuscripts should be submitted electronically in postscript or pdf format via EDAS web tool at http://soyuz.metropoa.tche.br.

Please forward any questions about this special issue to the guest editors at the e-mail addresses below.

SCHEDULE

Submission due date:	1 September 2004
Notification of acceptance:	5 January 2005
Camera-ready paper due:	15 February 2005
Publishing:	April 2005

GUEST EDITORS

Rogério de Lemos
Computing Laboratory
University of Kent
Canterbury, Kent CT2 7NF, UK
e-mail: r.delemos at ukc.ac.uk
Phone: +44 1227 823628

Eliane Martins
Unicamp - Instituto da Computação
Caixa Postal 6176
13083-970 Campinas, SP, Brazil
e-mail: eliane at ic.unicamp.br
Phone: +55 19 3788 5872

JOURNAL OF THE BRAZILIAN COMPUTER SOCIETY

The Journal of the Brazilian Computer Society (JBCS) is the formal quarterly publication of the Brazilian Computer Society. Its aim is to publish original research papers, serving as a forum for disseminating innovative research in all aspects of computer science. The priorities of the journal are quality and timeliness. The journal also has an electronic version with free access through the Scielo Portal (http://www.scielo.br/revistas/jbcos/iaboutj.htm).