

# Call for Papers

## IEEE Transactions on Systems, Man and Cybernetics Part A: Systems and Humans

### Special Issue on “Critical Reliability Challenges and Practices”

In today’s technological world nearly everyone depends upon the continued functioning of a wide array of complex machinery and equipment for our everyday safety, security, mobility and economic welfare. We expect our electric appliances, hospital monitoring control, next-generation aircraft, data exchange systems, and aerospace applications, to function whenever we need them. When they fail, the results can be catastrophic. As our society grows in complexity, so do the critical reliability challenges. This special issue solicits papers on topics that address critical reliability challenges and practices, including:

- Modeling and Analysis of Complex Systems
- Design for Embedded System Reliability/Security
- Network Reliability and Quality Assurance
- Availability and Maintainability Prediction
- Human-System Reliability and Safety
- Experimental Results
- Application-specific Human-System Interaction

#### Submission

All the manuscripts should be submitted through the IEEE Transactions on SMC Part A manuscript central web site (<http://smca-ieee.manuscriptcentral.com/>). Authors must put in the “Author Comments Section” the following sentence: “This paper is for the Special Issue on Critical Reliability Challenges and Practices”.

The format of all submissions should follow the “Information for Authors” on the back of each issue of the IEEE Transactions on SMC Part A at the following web site: <http://www.ieee-smc.org/webpages/publication/index.html>.

#### Important Dates

May 1, 2005:	Submission deadline
August 15, 2005:	Responses to the authors
November 15, 2005:	Final papers due to EIC
July 2006:	Expected publication

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