REC·2006

Reliable Engineering Computing
February 22-24, 2006 | Savannah, Georgia

CALL FOR PAPERS:

Across all branches of engineering, computational methods share the need for reliable results. Reliability can be achieved only if all sources of errors, approximations, and uncertainty are accounted for.

This workshop is unique in combining computer science, mathematics, and engineering analysis and design to discuss the reliability of engineering computations, providing a common forum by which to continue cross-disciplinary advisements in the field.

Participants are expected to submit papers that will be published in the workshop proceedings and also will be available online from the workshop Web site. After the workshop, selected papers will be published in a special issue(s) of Reliable Computing journal. The papers will go through the normal refereeing process.

Topics include but are not limited to:

- Measurement of reliability of algorithms and computations
- Integration of various sources of errors in engineering calculations
- Integrating uncertainty into analysis and design

www.gtsav.gatech.edu/workshop/rec06/

DEADLINES

Deadline for abstract submission: October 15, 2005
Notification of acceptance: November 01, 2005
Deadline for paper submission: January 15, 2006

HONORARY CO-CHAIRMEN
Ramon E. Moore, Eldon R. Hansen *and* Ivo Babuška

CHAIRMAN
Rafi L. Muhanna
Georgia Institute of Technology

CO-CHAIRMAN
Robert L. Mullen
Case Western Reserve University

SCIENTIFIC COMMITTEE

Götz Alefeld
Univ. of Karlsruhe, Germany

Scott Ferson
Applied Biomathematics

Zissimos Mourelatos
Oakland University

Mark Stadtherr
University of Notre Dame

Daniel Berleant
Iowa State University

Roger Ghanem
Univ. of Southern California

Arnold Neumaier
University of Vienna, Austria

William Walster
Sun Microsystems

David Bogle
University College London

Raphael Haftka
University of Florida

Efstratios Nikolaidis
University of Toledo

Steve Wojtkiewicz
University of Minnesota

George Corliss
Marquette University

Baker Kearfott
Univ. of Louisiana at Lafayette

Andrezej Pownuk
Silesian Univ. of Technology

William Edmonson
North Carolina State Univ.

Vladik Kreinovich
University of Texas at El Paso

Sigfried Rump
Technical Univ. of Hamburg

Michael Eldred
Sandia National Labs

Bernd Möller
Dresden Univ. of Technology

Pol Spanos
Rice University

SUBMITTAL

Abstracts must be submitted via email to **rec@gtsav.gatech.edu**. LaTeX, Microsoft Word, or Adobe Acrobat files will be accepted. For guidelines or more information, please see the workshop **Web site** or contact the Workshop Chairman, Dr. Rafi Muhanna:
EMAIL: rec@gtsav.gatech.edu | PHONE: 912.966.7931 | FAX: 912.966.7928