

CALL FOR PAPERS  
**2005 IEEE SYSTEMS AND INFORMATION ENGINEERING  
DESIGN SYMPOSIUM**

*The International Forum for Student Design Projects—Sponsored by the IEEE Systems, Man, and Cybernetics Society*

April 29, 2005  
University of Virginia  
Charlottesville, Virginia USA  
[www.sys.virginia.edu/sieds05](http://www.sys.virginia.edu/sieds05)

**SIEDS 05**

The IEEE Systems and Information Engineering Design Symposium (SIEDS'05) is a student-focused international forum for applied research, development, and design in Systems and Information Engineering. The Symposium is the leading showcase for undergraduate and early graduate design projects, such as capstone design courses, or as baccalaureate, honors, or design-oriented graduate theses. Faculty, industry, and government project advisors are welcome coauthors.

Contributed papers are solicited in diverse methodologies, including:

- Data Mining and Statistics
- Simulation and Stochastic Modeling
- Human Factors, Human Computer Interaction, and Cognitive Engineering
- Mathematical Modeling and Optimization
- Risk Analysis, Technology Management, and Policy

Papers can describe work in a wide variety of application areas, including: Telecommunications and Information Technology, Energy, Robotics, Transportation and Logistics, Critical Infrastructure, Military Applications, Economic and Financial Systems, Environmental, E-Business, Manufacturing, and Decision Support. Papers should emphasize the application of fundamental systems analysis and design concepts.

Symposium papers presented will appear in a copyrighted CD-ROM proceedings, available on-site and through IEEE Press. Awards for Best Paper will be presented for each track.

Travel scholarships are available on limited basis.

#### VENUE

The Symposium will be held on the grounds of the historic University of Virginia, in Charlottesville, Virginia.

#### SYMPOSIUM FEES

Symposium fees reflect the student focus (and student participation) of SIEDS'05. Registration will include one copy of CD-ROM *Proceedings* and admission to all conference functions, including an evening banquet and breaks.

- Student \$75
- IEEE Member (non-student) \$100
- All Others \$150

Corporate sponsorship is invited. Please contact the Symposium Committee for more information.

#### DEADLINES AND REQUIREMENTS

**February 4, 2005:** Submission of 200-500 word abstracts for contributed papers not previously published or presented. Abstracts should explicitly address:

1. the systems analysis or design problem being solved,
2. relevant literature and the state of the art (motivation),
3. the methodological approach developed or adopted, and
4. preliminary results and implications.

Abstracts should be submitted electronically.

**February 21, 2005:** Contributors will be notified whether or not their paper

has been accepted. Author's Kit will be available online.

**April 1, 2005:** Hard deadline for registration for the symposium.

**April 8, 2005:** Hard deadline for submission of a complete manuscript, as per instructions in the Author's Kit.

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#### CURRENT EXTERNAL SPONSORSHIP

- National Science Foundation (Division of Design, Manufacture and Industrial Innovation)
- Appian Corporation
- Lockheed Martin

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