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The University of Notre Dame was founded in 1842 by Father Edward Sorin. Located on 1,250 acres adjacent to South Bend, Indiana, the University has stayed true to the vision of its founder to become a great Catholic institution of higher education. Notre Dame's total student population of more than 10,000 includes approximately 1,400 graduate students and 1,000 professional students. Building upon her long-established reputation for excellence in undergraduate education, Notre Dame's cutting edge research programs cover a broad spectrum of disciplines. The aerodynamics of glider flight and the transmission of wireless messages were pioneered at Notre Dame. The formulas for synthetic rubber were also discovered here. Today, University researchers are achieving breakthroughs in laser technology and in the creation of new semiconductor materials. Notre Dame is also a world leader in radiation chemistry, and researchers here are currently developing exciting methods for mitigating natural hazards. Situated on beautifully landscaped grounds and the site of the famous "Golden Dome," the University offers a scenic multi-cultural environment for students, faculty and guests. The University is close to many local points of interest, including the College Football Hall of Fame, the Studebaker National Museum, and Coveleski Regional Stadium. The University is 90 miles east of Chicago and easily accessed by air and auto. Interstate 80/90, the Indiana Toll Road, has an exit within one mile of campus, while the South Bend Airport is only 15 minutes from campus and is served by many airlines. A regularly scheduled bus service runs from Chicago's O'Hare Airport to the University.

Call for Papers

Eighth ASCE EMD/SEI/GI/AD Joint Specialty Conference on Probabilistic Mechanics and Structural Reliability

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EIGHTH ASCE EMD/SEI/GI/AD

Joint Specialty Conference on Probabilistic Mechanics and Structural Reliability

July 24-26, 2000

University of Notre Dame

CALL FOR PAPERS

Joint Specialty Conference on Probabilistic Mechanics and Structural Reliability

July 24-26, 2000

Probabilistic mechanics and reliability analysis are valuable and powerful tools in many engineering disciplines. As variabilities and uncertainties in design parameters and behaviors are increasingly considered in the design of engineering systems, both applied and basic research in the area of stochastic mechanics will continue to grow. For this reason, the Eighth ASCE EMD/SEI/GI/AD Joint Specialty Conference on Probabilistic Mechanics and Structural Reliability, one of the most prestigious international meetings addressing these fields, will be held July 24-26, 2000, at the University of Notre Dame, Notre Dame, Indiana. This conference, held every four years, will bring together researchers and scientists from around the world. State-of-the-art developments in all areas of stochastic mechanics will be presented and discussed. Engineers, researchers, and scientists involved in reliability of structural, mechanical, marine, aerospace, geotechnical, and environmental systems are invited to participate.

CALL FOR PAPERS

Papers are encouraged in the areas of probabilistic mechanics and structural reliability, including but not limited to:

- Civil Infrastructure Systems
- Codes and Standards
- Computational Stochastic Mechanics
- Damage and Maintenance
- Earthquake Engineering
- Expert Systems
- Fatigue and Damage Control and Detection
- Fatigue and Fracture Mechanics
- Flow Induced Vibrations
- Geotechnical Systems
- Monte Carlo Simulation
- Non-Linear Stochastic Differential Equations
- Pressure Vessels and Piping
- Probabilistic Methods in Design/Analysis
- Random Vibrations
- Safety of Aerospace Systems
- Safety of Bridges and Offshore Structures
- Safety of Nuclear and Geotechnical Systems
- Site Characterization
- Stability and Bifurcation
- Statistical Analysis
- Stochastic Finite Elements
- Stochastic Modeling of Environmental Loads
- Structural Control
- Structural Damage
- System Identification
- System Reliability
- Random Processes
- Random Fields
- Risk Management
- Wave Propagation
- Wind Engineering

Abstracts should be limited to 200 words or less, double spaced and should include: the author(s), address(es), e-mail(s) and daytime telephone number(s).

Submission of a final paper implies a firm commitment to present the paper at the conference. **All technical speakers will be required to be registered participants of the conference.**

Accepted papers will be published in the CD-ROM conference proceedings of the Eighth ASCE EMD/SEI/GI/AD Joint Specialty Conference on Probabilistic Mechanics and Structural Reliability.

DEADLINES

Abstract submittal and request for organizing sessions: **October 15, 1999**

Authors notified of acceptance: **January 14, 2000**

Authors will also be provided with ASCE instructions for preparing a 4-6 page, single spaced final paper.

Final paper: **March 1, 2000**
To ensure inclusion in the CD-ROM conference proceedings, which will be distributed with registration materials, authors must provide their paper electronically in Adobe PDF format.

For more information, see: **http://www.nd.edu/~pmc2000/**

Send abstracts and session proposals (*electronic submissions are encouraged*) to:

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