TWENTY-FIVE YEARSAGO, Maryland established the first degree-granting reliability engineering education program in the country and today it is one of the largest and most comprehensive graduate programs in the field of reliability and risk analysis of engineered systems and processes. The program offers MS, PhD, and Graduate Certificates in Reliability Engineering and Risk Analysis. All courses are available through traditional on-campus and online delivery modes.
REGISTRATION
Symposium registration is $125 and includes admission to the Anniversary Reception. Attendance at the Anniversary Reception only is complimentary, but registration is required.
www.crr.umd.edu

TRANSPORTATION
Please see the UMD Conferences and Visitor Services website for information on planning your visit.
www.cvs.umd.edu/visitors

ACCOMMODATIONS
Attendees may stay at the College Park Marriott Hotel & Conference Center located next to campus for a special rate of $169 per night.
College Park Marriott
3501 University Blvd, East
Hyattsville, Maryland 20783 USA
+ 1 301.985.7300
www.marriott.com
For information on other area hotels, visit the University of Maryland visitor website.
www.cvs.umd.edu/visitors/offcampus.html

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SYMPOSIUM Promise of a Discipline: Reliability and Risk in Theory and Practice

Event features international expert panels reporting on

**PANEL 1: FRONTIERS OF RELIABILITY ENGINEERING**
Leading experts will offer their insights on promising research directions that could revolutionize the field of Reliability Engineering. Panelists will cover topics such as challenges in reliability of ultra-complex systems of interacting hardware and software to advances in system-level prognostics and health monitoring, as well as new approaches in integrating physics of failure and traditional reliability assessment methods. (Panel Moderator: Dr. Ali Mosleh, Nicole J. Kim Professor)

**PANEL 2: RISK-INFORMED REGULATIONS, OVERSIGHT, AND EMERGENCY RESPONSE**
Panel experts will discuss the development and use of appropriate risk information and measures in regulating, supervising and responding to emergencies in complex technologies. Panelists will also cover technical and non-technical impediments in formal applications of risk-information, including the establishment and use of appropriate risk and safety target levels used in decision-making, in addition to communications among stakeholders during normal and emergency conditions. (Panel Moderator: Dr. Mohammad Modarres, Minta Martin Professor)

**PANEL 3: RELIABILITY EDUCATION: POTENTIAL CHALLENGES OF A NON-TRADITIONAL ENGINEERING DISCIPLINE**
Leading educators and practitioners offer perspectives on the following: important areas of reliability engineering knowledge that should be covered in educational programs, industry needs and the role of universities in providing reliability engineering education, alternative approaches to bringing reliability knowledge and competency to the engineering practice, and how to address challenges faced by reliability engineering programs as a non-traditional interdisciplinary field. (Panel Moderator: Dr. Marvin Roush, Professor Emeritus)

**PANELISTS AND KEYNOTE SPEAKERS**

- Dr. Elias Anagnostou
  Associate Technical Fellow, Northrop Grumman

- Dr. George Apostolakis
  Commissioner, U.S. Nuclear Regulatory Commission

- Mr. Ken Farquhar
  President, Business Unit General Manager, ManTech International Corporation

- Dr. J. Wesley Hines
  Head of Nuclear Engineering, University of Tennessee

- Dr. Jeong Kim
  Entrepreneur & Former President, Bell Labs

- Ms. Maria G. Korsnick
  Chief Nuclear Officer and Chief Operating Officer, Constellation Energy Nuclear Group

- Dr. Vasily Krivtsov
  Staff Technical Specialist, Ford Motor Company

- Dr. Hoang Pham
  Department of Industrial and Systems, Engineering, Rutgers University

- Dr. Antoine Rauzy
  Directeur de la Chaire Blériot-Fabre, Centrale-Supélec

- Dr. Carol Smidts
  Director, Reliability and Risk Laboratory, The Ohio State University

- Mr. Thomas D. Whitmeyer
  Deputy Chief, Safety and Mission Assurance, NASA