

## WEDNESDAY PLENARY PANEL



### **Dr. Elliot Axelband**

*Senior Engineer, RAND Inc.*

Dr. Elliot Axelband is: a Director of Legacy Engineering LLC, a private consultant, an INCOSE Fellow and past chair of its Fellows Selection Committee, an IEEE Life Fellow, and a recipient of the IEEE Centennial Medal and the USAF Meritorious Service Award. His research at RAND has included the design of enterprises.



### **Azad M. Madni, Ph.D.**

*CEO, Intelligent Systems Technology, Inc.*

Dr. Azad Madni is the founder and CEO of Intelligent Systems Technology, Inc., a company that he founded in 1994 to pursue innovative research in enterprise systems architecting, process design and transformation, and simulation-based e-learning. He is the recipient of several prestigious, international and national awards including the 2006 *C.V. Ramamoorthy Distinguished Scholar Award* from the Society of Design and Process Science at the Ninth World Conference on Integrated Design and Process Technology, the SBA's National Tibbetts Award for California for excellence in technology innovation, and Mass Mutual and U.S. Chamber of Commerce's Blue Chip Enterprise Award for entrepreneurship. He is the only two-time (2000, 2004) Developer of the Year Award winner from the Technology Council of Southern California. He is an elected Fellow of the IEEE, INCOSE, SDPS, and an Associate Fellow of AIAA.



### **Abraham Meilich, Ph.D., C.C.P.**

*Certified Information Systems Architect*

*Lockheed Martin Integrated Systems and Solutions*

Dr. Meilich's most recent position was Lead, Enterprise Architecture and Engineering in the Net Centric Integration, Advanced Concepts Organization at Lockheed Martin. His career spans 36 years in the mechanical, electrical, computer, aerospace, space, and information systems engineering

and architecture domains. His current professional focus is on the application of system engineering principles and best practices to enterprise architecture and systems of systems engineering to support the design of Net-Centric solutions for the DOD and modernization of government information systems.

### **Jack Ring**



*Systemist*

Jack led more than 50 initiatives in enterprise development, operation and evolution during twenty years with GE and ten with Honeywell. During the subsequent nineteen years he similarly assisted dozens of high tech startups and turnarounds including IBM's Object Technology Practice, Ascent Logic and the Edelbrock Corp. Currently he is co-founder of Kennen Technologies LLC to commercialize semantic technologies for knowledge workers. In addition, he co-facilitates the Intelligent Enterprises Working Group, consisting of approximately 140 persons from 80 companies, which has produced the 99 page report on Intelligent Enterprise Knowledge Claims that is included on your symposium CD. Jack was elected INCOSE Fellow in 2002



### **Avigdor Zonnenshain, Ph.D.**

*Deputy for Operations*

*Ordinance Systems Division, RAFAEL*

Dr. Zonnenshain is a Ph.D. for Systems Engineering from the University of Arizona, Tucson. Dr. Zonnenshain is an active member of the Israel society for quality (ISQ). He is the leader of the assessment team for the National Quality Award for Industry. He is the chairman of the standardization committee for management & quality. He is active in the community as the chairman of steering committee of RAFAEL for Social Responsibility. Dr. Zonnenshain is the president of INCOSE\_IL.

## THURSDAY CLOSING PLENARY SPEAKER

### **Engineering Risk Analysis: A Systems Approach**

#### **Dr. M. Elisabeth Paté-Cornell**

*Professor and Chair, Stanford University*



Dr. M. Elisabeth Paté-Cornell was born in Dakar, Senegal. Her academic degrees are in mathematics and physics (BS, Marseilles, France, 1968), applied mathematics and computer science (MS and Engineer Degree, Institut Polytechnique de Grenoble, France, 1970; 1971), operations research (MS, Stanford, 1972), and engineering-economic systems (Stanford, PhD, 1978). She was an Assistant Professor of Civil Engineering at MIT (1978 to 1981). In 1981, she joined the Stanford Department of Industrial Engineering and Engineering Management, where she became Professor (1991), then Chair (1997). In 1999, she was named the Burt and Deedee McMurtry Professor in the Stanford School of Engineering. She oversaw from 1999, the merger of two Stanford departments to form a new department of Management Science and Engineering, which she currently chairs. She is a Senior Fellow (by courtesy) of the Stanford Freeman Spogli Institute for International Studies.

Dr. Paté-Cornell was elected to the National Academy of Engineering in 1995, to its Council (2001-), and to the French Académie des Technologies (2003). Her current memberships include the President's Foreign Intelligence Advisory Board (2001-2004; 2005-), the Advisory Council of NASA's Jet Propulsion Lab. (2002-), and the Boards of Trustees of the Aerospace Corp. (2004-) and of InQtel (2006-). She is a member of the Board of Advisors of the Naval Postgraduate School, which she chaired from 2004 to 2006.

Dr. Paté-Cornell is a world leader in engineering risk analysis and management and more generally, the use of Bayesian probability to process incomplete information. Her research and that of her Engineering Risk Research Group at Stanford have focused in recent years on the inclusion of both technical and management factors in probabilistic risk analysis models with applications that include the NASA shuttle tiles, offshore oil platforms, medical systems, and since 2001, terrorist attacks on the US, and the assessment of intelligence information.