

The Annual Reliability and Maintainability Symposium[®]

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2010 RAMS Program Errata

Page 5, Program Matrix

ADVISORY BOARD PANEL located in the Gateway Ballroom
GENERAL RECEPTION located in the Gateway Foyer

Tutorial 7B, title correction, **DESIGN OF EXPERIMENTS AND DATA ANALYSIS**, **Huairui Guo, Ph.D. and Adamantios Mettas, ReliaSoft Corporation**

Page 8, KEYNOTE SPEAKER

Edmond Thomas, Harris, Wiltshire & Grannis replaced by **Dr. J. Michael Gilmore, Director of Operational Test and Evaluation, Office of the Secretary of Defense**



Dr. J. Michael Gilmore was sworn in as Director of Operational Test and Evaluation on September 23, 2009. A Presidential appointee confirmed by the United States Senate, he serves as the senior advisor to the Secretary of Defense on operational and live fire test and evaluation of Department of Defense weapon systems.

Prior to his current appointment, Dr. Gilmore was the Assistant Director for National Security at the Congressional Budget Office (CBO). In this position, he was responsible for CBO's National Security Division, which performs analyses of major policy and program issues in national defense, international affairs, and veterans' affairs. Specific areas of investigation included the long-term implications of current defense policies and programs, the implications of transformation for equipping and operating U.S. military forces, the effectiveness and costs of alternative approaches to modernizing U.S. military forces, and the resource demands associated with operating and supporting U.S. military forces.

Dr. Gilmore is a former Deputy Director of General Purpose Programs within the Office of the Secretary of Defense, Program Analysis and Evaluation (OSD(PA&E)). As the Deputy Director, he was responsible for developing, formulating, and implementing Secretary of Defense policies on all aspects of Department of Defense general purpose programs, including analyzing the operational effectiveness and costs of U.S. conventional military forces and supporting programs. Before serving as a Deputy Director, Dr. Gilmore served as the Division Director of Operations Analysis and Procurement Planning, within the Office of

the Deputy Director, Resource Analysis and prior to that as an Analyst for Strategic Defensive and Space Programs Division, Office of the Deputy Director, Strategic and Space Programs. Dr. Gilmore's service with Program Analysis and Evaluation covered 11 years.

Early in his career, Dr. Gilmore worked at the Lawrence Livermore National Laboratory, Livermore, California performing research in their magnetic fusion energy program. He has also worked as an Analyst with the Falcon Associates, McLean, VA, and the McDonnell Douglas Washington Studies and Analysis Group, where he became Manager, Electronic Systems Company Analysis.

A native of Ohio and resident of Virginia, Dr. Gilmore is a graduate of The Massachusetts Institute of Technology, Cambridge, Massachusetts, where he earned a B.S. in Physics. He subsequently earned a M.S. and Ph.D. in Nuclear Engineering from the University of Wisconsin, Madison, Wisconsin.

Page 15, Tutorial 12A, SOFTWARE RELIABILITY APPLICATIONS

Author correction, **Jon R. Peterson, Raytheon**

Tutorial 12B, SYSTEM SAFETY IN A VARIETY OF INDUSTRIES

Author correction, **Dev G. Raheja, PE, CRE, Patient Safety System**

Page 16, Tutorial 13A, FRACAS FUNDAMENTALS, BEST PRACTICES AND PRACTICAL APPLICATION

Author correction, **Jennifer Akers, CRE, Ken Stillwell, Relex Software Corporation**

Tutorial 13B, STATISTICAL WARRANTY FORECASTING

Author correction, **Dr. Vasilij V. Krivtsov, Ford Motor Company**

Page 19, Session 14C, PERFORMANCE BASED RELIABILITY MODELING METHODS

Title change, paper 14C2, **COMMON CAUSE FAILURES: IMPLEMENTATION OF A SIMPLIFIED ALPHA FACTOR MODEL**
Colie Warren, Lockheed Martin Space Systems Company

Page 19, Session 14D, CONDITION MONITORING AND MAINTAINABILITY MODELING APPLICATIONS

Delete paper 14D1, **THE ASSESSMENT OF MAINTENANCE SUPPORT CAPABILITY OF AIRCRAFT RESEARCH**
Qing Li and Suping Zhang, Beihang University

Added paper 14D1, A CONCEPTUAL MODEL FOR 'INHERENT RELIABILITY' FOR NUCLEAR WEAPONS

Rene L. Bierbaum, Sandia National Laboratories

Many people, when thinking about a product's lifetime vis-à-vis defectiveness, use the "bathtub curve" as a model. However, this model is not entirely apt for nuclear weapons. In this paper, a conceptual model for inherent reliability for nuclear weapons will be proposed. Historical surveillance observations that appear to substantiate the bathtub curve model of reliability will instead be shown to support the new conceptual model. This model is likely relevant to other one-shot products.