

FOREWORD

The ninth U.S. Army Conference on Applied Statistics was hosted by the University of California, Davis, during 29-31 October 2003 at the Napa Valley Marriott, Napa Valley, CA. The conference was cosponsored by the U.S. Army Research Laboratory (ARL), the U.S. Army Research Office (ARO), the United States Military Academy (USMA), the Training and Doctrine Command (TRADOC) Analysis Center-White Sands Missile Range, the Walter Reed Army Institute of Research (WRAIR), and the Uniformed Services University of the Health Sciences (USUHS). Cooperating organizations include Los Alamos National Laboratory (LANL), George Mason University (GMU), the Office of Naval Research (ONR), and the Institute for Defense Analyses (IDA). The U.S. Army Conference on Applied Statistics is a forum for technical papers on new developments in statistical science and on the application of existing techniques to Army problems. The purpose of this conference is to promote the practice of statistics in the solution of these diverse Army problems.

The ninth conference was preceded by a two-day short course, “An Introduction to Generalized Linear Mixed Models” taught by Charles McCulloch, University of California, San Francisco. Francisco J. Samaniego, University of California, Davis, opened the conference. Several distinguished speakers spoke during invited general sessions: Brad Carlin (Keynote), University of Minnesota; S. Rao Jammalamadaka, University of California, Santa Barbara; Jerome Friedman, Stanford University; Adrian Raftery, University of Washington; Hari Iyer, Colorado State University; and Mike Hamada, Los Alamos National Laboratory. In addition to outstanding invited speakers, four special sessions were featured at the conference: Microarrays; Homeland Security; Beyond Software Reliability (organized by Tom Zeberlein, Army Test and Evaluation Command, and Alyson G. Wilson, Los Alamos National Laboratory); and Robust and Resilient Critical Infrastructure (organized by Jagdish Chandra, George Washington University, and Robert Launer, U.S. Army Research Office). Twenty-five contributed papers and one clinical paper rounded out the program. The banquet address “Quantitative Sensory

Evaluation of Food and Wine” by Hildegard Heymann, Professor of Sensory Science, Department of Viticulture and Enology, University of California, Davis.

An important moment in the conference was the awarding of the Army Wilks Medal to Donald R. Barr of the United States Military Academy. Dr. Barr was honored for the years of service in statistical application for the Army.

The Executive Board for the conference recognizes Francisco J. Samaniego, University of California, Davis, for hosting the conference, Edmund Baur, ARL, for maintaining the conference web site, David Webb, ARL, for overseeing conference communications, Barry Bodt, ARL, for chairing the conference, and Yasmin H. Said (GMU) and Barry A. Bodt (ARL) for assembling the conference proceedings.

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