Banquet Program
Wednesday, January 25, 2017
Wednesday January 25, 2017

General Reception
Upper Pool Deck
6:00 - 7:30 PM

Banquet
Grand C-D
7:30 - 9:30 PM

Introductions
Suprasad Amari
General Chair
2017 Reliability and Maintainability Symposium

Presentation of Awards
Society Awards
Thomas L. Fagan, Jr. RAMS® Student Paper Awards
Alan O. Plait Award
Ralph A. Evans / P.K. McElroy Award

Banquet Speaker
Colonel Harold Buhl, Jr.
Deputy Director, HRED, Army Research Laboratory - Orlando
Each Dinner Entrée is served with:
Garden Fresh Salad
Fresh Seasonal Vegetables, Warm Rolls & Butter and Choice of Dessert
A Selection of Tazo® Herbal Teas and Freshly Brewed Coffee
and Decaffeinated Coffee

OPTION 1:
Pollo Gringo
Jerk Seasoned Free Range Breast of Chicken
Red Chile Crema, Salsa Verde
Crushed New Potato “Tostone”

OPTION 2:
Grilled Rib Eye Steak, Au Jus
Horseradish Mashed Yukon Gold Potatoes

OPTION 3:
Orange Lacquered Sea Bass
Citrus Vin Blanc
Coconut Cranberry Basmati Rice

OPTION 4:
Eggplant Rollatini
Bread crumb battered sliced eggplant rolled and stuffed with Italian herbed ricotta
and mascarpone cheese mixture
baked until golden brown. Served with our chef’s daily vegetable selection and
finished with marinara sauce.
(Contains wheat, dairy, soybean, egg)

DESSERT:
Italian Rum Cake
Yellow Genoise infused with Rum and Layered with Bavarian Cream
Finished with Butter Cream and Toasted Almonds
Banquet Speaker

Colonel Harold Buhl, Jr.
Program Manager, Army Research Laboratory - Orlando

Biography

As PM, ARL–Orlando, Colonel Buhl also serves as the Deputy Director, Human Research and Engineering Directorate (HRED). He leads Advanced Technology Demonstration alignment to PEO STRI, commands the SFC Smith Center, and synchronizes ARL activities in Orlando.

Prior to ARL, Colonel Buhl led for three years as the Project Manager, Combined Arms Tactical Trainers (PM CATT.) There he managed the Army’s portfolio of virtual and gaming training capabilities that encompassed 71 product lines and a budget through planning and programming years of $3.1 Billion.

Other acquisition assignments include: Assistant to the Director, Missile Defense Agency (MDA), at US Strategic Command, Offutt Air Force Base, Nebraska; Commander of the Ronald Reagan Ballistic Missile Defense Test Site, US Army Kwajalein Atoll, Republic of the Marshall Islands; Chief, Materiel Systems Division and senior Acquisition Officer for the US Army Armor Center, Branch Chief for the Combined US-UK Future Scout and Cavalry System, both at Fort Knox, Kentucky; Assistant Project Manager and Executive Officer in the MDA, Terminal High Altitude Area Defense Project Office, Huntsville, Alabama; and as Science and Technology Manager for Army Systems, Department of Energy at Oak Ridge National Laboratory, Tennessee.

Colonel Buhl is a Cavalry Officer, commissioned in 1988, who served as a Cavalry Scout Platoon leader in 1-1 Cavalry, Katterbach, West Germany, with duty on the former Intra-German border, and in Southwest Asia. He commanded Company D, 1-72 Armor, Camp Casey-Tongduchon, South Korea, with service in the Kumhwa, Chorwon, and Western Corridors from 1994 to 1996. In addition to various maneuver staff assignments, he was an active component advisor with the 3rd Armored Cavalry Regiment (ACR) to 3 /278 ACR Tennessee National Guard from 1996 to 1999.

Colonel Buhl’s awards and decorations include the Defense Superior Service Medal, Legion of Merit, Bronze Star, Space Badge, Parachutist Badge and the OSD Badge. COL Buhl has earned degrees in Physics and Atmospheric Science from Drexel University, Industrial Engineering from the University of Louisville, and National Resource Strategy from the Industrial College of the Armed Forces. He married the former Miss Patricia Lee of Philadelphia 28 years ago, and with two children, they have served with adventure across 15 PCS moves.
On the Speakers’ Platform

Suprasad Amari, 2017 RAMS® General Chair, BAE Systems
Dave Fernald, Vice General Chair ASQ–Electronics & Communications Div.
Dan Deans, 2017 Chair of RAMS Board of Directors, Millennium Engineering and Integration Co.
Qunyong Wang, San-talking Testing Engineering Academy (STEA)
Dr. William Meeker, Iowa State University
Dr. Lawrence Leenis, The College of William & Mary
Colonel Harold Buhl, Jr., Army Research Laboratory

At the Round Tables

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Ming Li, U.S. Nuclear Regulatory Commission

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Jan Swider*, Cogoto Inc
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John Klohoker, NASA/Caltech Jet Propulsion Laboratory
Masoud Pourali, KimiaPower PLLC
Troy Schwartz, Life Cycle Engineering

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Om Yadav*, North Dakota State University
Ying Shi, NASA Goddard Space Flight Center
Louis Gullo, Raytheon Company

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Melvin Downes, ASQ–Electronics & Communications Div.
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Mohammad Hijawi, Fiat Chrysler Automobiles
Lori Bechtold, Consultant
Phil Mongan, ARES Corp.
Dan Burrows, ASQ Reliability Division
Mark White, NASA/JPL

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Joel A. Nachlas, Virginia Tech

Tutorials Committee
Kellie Schneider*, University of Dayton
Caroline P. Lubert, James Madison University
John Healy, FCC
Vasiliy Krivtsov, Ford Motor Co.
Troy Schwartz, Life Cycle Engineering

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- V. W. Wessel - East Coast, ARES Corporation
- D. Oberhettinger - West Coast, NASA JPL
ASQ – Electronics & Communications Division
- C. W. Plotkin - East Coast, Ford Motor Company, Retired
- D. E. Onalfo - West Coast, IBM Global Services, Retired
ASQ – Reliability Division
- T. Craney, Shell Oil Company
IEEE Reliability Society
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- R. Jones - West Coast, Hartford Steam Boiler Inspection & Insurance Co.
IEST
- L. Crow - East Coast, Crow Reliability Resources, Inc.
- D. Aldridge - West Coast, Raytheon Missile Systems
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- O. G. Okgbaa - East Coast, U. of South Florida & Federal University
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- E. Pohl - West Coast, U. of Arkansas
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- A. Brall - East Coast, MAB Consultants
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- A. M. Stevens - East Coast, Lockheed-Martin, Retired
- R. J. Loomis - West Coast, Jr., NASA Retired
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- G. Braman, Sikorsky Aircraft Corporation

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LRPC-Technical
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- H. Hartt, Independent Defense and Space Professional
- R. Sears, Consultant
LRPC-Site Selection
- T.L. Fagan, TLF Associates
LRPC-Human Resources
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<td>1954</td>
<td>Leon Bass</td>
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<td>Walter Greer</td>
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<td>Irv Schoeningier</td>
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<td>Ed Anderson</td>
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<td>W. T. Sumerlin</td>
<td>1993</td>
<td>Irwin Feigenbaum</td>
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<td>1962</td>
<td>Marion Smith, Dick Flygare</td>
<td>1994</td>
<td>Bob Loomis</td>
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<td>1963</td>
<td>Ralph Kuehn, John Coutinho</td>
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<td>Jackie Wollner</td>
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<td>1964</td>
<td>Ed Jahr, John Coutinho</td>
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<td>Larry Phaller</td>
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<td>1965</td>
<td>W. M. Rombach, John Coutinho</td>
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<td>Naomi McAfee</td>
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<td>Stan Zwerling, Charlie Russell</td>
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<td>Harry Reese, Les Ball</td>
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<td>Charles Plotkin</td>
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<td>Don Hulme, F. A. Thompson</td>
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<td>Ridge Park</td>
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<td>J. W. Thomas</td>
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<td>Carl Bird</td>
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<td>Dawn E. Onalfo</td>
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<td>Jack Weisen</td>
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<td>Richard B. Jones</td>
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<td>Dave Barber</td>
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<td>Herm Wuerffel</td>
<td>2011</td>
<td>C. Richard Cassady</td>
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<td>1980</td>
<td>Mac Smith</td>
<td>2012</td>
<td>Edward A. Pohl</td>
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<td>Kurt Green</td>
<td>2013</td>
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<td>H. Kennedy</td>
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<td>David Oberhettinger</td>
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<td>1983</td>
<td>Tom Fagan</td>
<td>2015</td>
<td>Keith Janasak</td>
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<td>1984</td>
<td>Ken Ravizza</td>
<td>2016</td>
<td>Dan Deans</td>
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<td>1985</td>
<td>Hal Jones</td>
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<td>Honorary Richard Hahn</td>
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<td>1986</td>
<td>Norm Kutner</td>
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<td>Honorary Alan Plait</td>
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<td>Honorary Ralph Evans</td>
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<td>Honorary William Robertson</td>
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<td>Honorary Marvin Pinard</td>
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<td>Honorary Ray Sears</td>
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In 1972, the Annual Reliability and Maintainability Symposium became the title of the organization formed as a result of the merger of the Annual Reliability Symposium and the Reliability and Maintainability Conference.
The Ralph A. Evans / P.K. McElroy Award
For 2016 Best Paper

The Award for the Best Paper is named in honor of the late Dr. Ralph A. Evans and the late P. K. McElroy who served this Symposium ably and conscientiously for many years by publishing these Proceedings. They were among the best of RAMS* leadership, and they set the standard of excellence for all.

“A Method of Space Radiation Environment Reliability Prediction”

This award was given to the following authors:

Qunyong Wang

Qunyong Wang is the founder and President of Beijing Santalking Testing Engineering Academy Co. Ltd. (STEA). His research interests include space radiation environment testing engineering technology and accelerated long life assessment methods for electronic components. He served as a Senior Engineer on failure analysis for electronic components, reliability physics, field reliability analysis, natural environment testing technology for electronic equipment in the China Electronic Product Reliability and Environment Institute (CEPREI) from 1982 to 2005. He received his Bachelor’s degree in Photo-Electronics from the University of Electronic Science and Technology of China (UESTC) in 1982.

Dongmei Chen

Dongmei Chen has served as Senior Engineer on single event effect, accelerated long life assessment method at STEA since 2006. She worked at the China Electronic Product Reliability and Environment Institute (CEPREI) from 1992 to 2006. She earned Bachelor’s degrees in Electronic Materials and Management Engineering from the University of Electronic Science and Technology of China (UESTC) in 1990 and 1992, respectively.

Hua Bai

Hua Bai has served as senior engineer on reliability theory, accelerated long life assessment method at STEA since 2007. He earned a PhD and completed a post-doc in Theoretical Physics from the University of Science and Technology of China in 2005 and 2007, respectively.
To family, friends and associates alike, he was “P. K.”

P. K. received the AB and AM degrees from Harvard University in 1920 and 1921, respectively. In early July of 1921, he entered the employ of Professor George Washington Pierce who was then consulting for the General Radio Company on underwater sound receiving equipment being built for the US Navy. In the fall of 1921, he transferred to General radio where he worked until retiring in 1964.

During his career, he engaged in a number of specialized engineering activities (including reliability) and held increasingly more important executive positions. He was the principal General Radio representative to several trade associations and technical societies including EIA, IRE, AIEE, IEEE and ANSI. In the IRE, he was Secretary-Treasurer of the Boston Section and later served as Treasurer and the General Chair of NEREM. He was a chair of the IEEE reliability group and the IEEE Parts, Hybrids and Packaging Group. In AIEE, he was Vice-Chair of the Technical Activities Board and Chair of the Fellow Committee.

P. K. handled the publication of all the Proceedings of these Annual Reliability and Maintainability Symposia (and its predecessors) for the first 20 years. He did not retire from that responsibility until declining health forced him to do so. Not only did he perform his publication job above and beyond the call of duty, but he was also always ready with encouragement, humor, advice and the initiative to help others on the Symposium Management Committee.

He was a Fellow of the IEEE and received the 1965 Annual Reliability Award from the IEEE Reliability Group. He was a member of Phi Beta Kappa, the American Society for Quality Control, the Precision Measurement Association and a charter member and Fellow of the Standards Engineers Society.

After retiring, P. K. did some consulting work and was active on many committees with IEEE and IEC. Throughout his life, the wise perspective he brought to problems turned significant difficulties into manageable challenges for himself and others.

P. K. gave over two decades of superlative service to the reliability profession. He was a productive worker, an able counselor and a congenial companion – you could depend upon him. It is not for any one of these qualities that this Award is named in P. K.’s honor. It is because he had all of them.
<table>
<thead>
<tr>
<th>Year</th>
<th>Title</th>
<th>Authors</th>
<th>Institution(s)</th>
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<tbody>
<tr>
<td>2016</td>
<td>“A Method of Space Radiation Environment Reliability Prediction”</td>
<td>Dongmei Chen, STEA</td>
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<tr>
<td>2015</td>
<td>“Reliability Analysis of Underwater Sensor Network Paket Transmission”</td>
<td>Lance Fiondella (Univ. of Massachusetts), Swapna S. Gokhale &amp; Jun-Hong Cui (Univ. of Connecticut)</td>
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<tr>
<td>2014</td>
<td>“Automatic graph-based success tree construction and analysis”</td>
<td>Hananch Aliie, Michael Glass, Rolf Wanka and Jürgen Teich, University of Erlangen-Nürnberg</td>
<td></td>
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<tr>
<td>2013</td>
<td>“Understanding Operational Availability in Performance – Based Logistics and Maintenance Services”</td>
<td>Dr. Richard Cassady, University of Arkansas, Dr. Tongdan Jin, Texas State University, Dr. Yisha Xiang, Sun Yat-Sen University</td>
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<td>2012</td>
<td>“Spares Provisioning for Repairable Systems under Fleet Expansion”</td>
<td>Looon Ching Tang and Xiao Liu (National University of Singapore)</td>
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<td>2011</td>
<td>“Improved Reliability Testing with Multiaxial Electronic Vibration”</td>
<td>Ed Habtour, Abhijit Dasgupta, Gary Drake, Moustafa Al-Bassyioumi and Cholmin Choi (University of Maryland and AMSAA)</td>
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<td>2010</td>
<td>“Bayesian Methods for Evaluating Discrete Reliability Growth”</td>
<td>J. Brian Hall (U.S. Army Evaluation Center), Ali Mosleh (University of Maryland)</td>
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<td>2009</td>
<td>“A Practical Method for Failure Analysis Using Incomplete Warranty Data”</td>
<td>Karen Mohan, Brad Cline, Jennifer Akers (Relax Software Corp.)</td>
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<td>2008</td>
<td>“Structural Reliability Methods For Improved Designs Against Fatigue”</td>
<td>Clifford H. Lange, PhD, PE, Ayako Flint (Novellus System Inc.)</td>
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<td>2007</td>
<td>“Reliability &amp; Crew Safety Assessment for a Solid Rocket Booster/J-2S Launcher”</td>
<td>Joseph Fragola, J.D. Baum, Don Sauvageau, Scott Horowitz</td>
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<td>2006</td>
<td>“Simple Plots for Monitoring the Field Reliability of Repairable Systems”</td>
<td>David Trindade, Swami Nathan (Sun Microsystems)</td>
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<td>2005</td>
<td>“Reliability Testing for Customer Satisfaction Attributes”</td>
<td>Charles W. Plotkin (Ford Motor Company, Retired), Kee S. Moon (Michigan Technological University)</td>
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<td>2004</td>
<td>“Reliability Prediction of Substitute Parts Based on Component Temperature Rating and Limited Accelerated Test Data”</td>
<td>Andre V. Kleyner, Joseph P. Boyle (Delphi Delco Electronics, Kokomo)</td>
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<td>2003</td>
<td>“FMEA of Marine Systems: Moving from Prescriptive to Risk-based Design and Classification”</td>
<td>John Farquharson, Joel McDuffie, A. K. Seah, Takeshi Matsumoto</td>
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<td>2002</td>
<td>“Model Based Reliability Analysis”</td>
<td>Rene L. Bierbaum, Thomas D. Brown, Thomas J. Kerschen (Sandia National Labs.)</td>
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<td>2001</td>
<td>“System Reliability Prediction, Prioritization Strategy”</td>
<td>David W. Coit (Rutgers University)</td>
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<td>1999</td>
<td>“Assessment of a Safety-Critical System Including Software: A Bayesian Belief Network for Evidence Sources”</td>
<td>Patrick C. Hammert (University of Michigan), Karl Majeske, Jay S. Baron (University of Michigan)</td>
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<td>1998</td>
<td>“Dependent-Failures in Spacecraft: Root Causes, Coupling Factors, Defenses &amp; Design Implications”</td>
<td>Laura L. Pullman (Quality Research Assoc. Inc.), Joanne Bechta Dugan (University of Virginia)</td>
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<td>1995</td>
<td>“HACCP: A Total Quality System for Assuring Food Safety &amp; Quality”</td>
<td>John K. McAnelly (University of Wisconsin, Madison)</td>
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<td>1993</td>
<td>“Using Causal Reasoning for Automated Failure Modes &amp; Effects Analysis (FMEA)”</td>
<td>Daniel Bell (Martin Marietta), Lisa Cox (Martin Marietta), Steve Jackson (Martin Marietta), Phil Schaefer (Martin Marietta)</td>
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<td>1992</td>
<td>“High-Reliability Fault-Tolerant 16 MBit Memory Chip”</td>
<td>Charles H. Stapper (IBM Corporation), John A. Fifield (IBM Corporation), Howard L. Miller (IBM Corporation)</td>
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</table>
This award is named for Alan O. Plait who instituted and took charge of the Tutorials program in 1975 and then guided and encouraged its growth for 18 years. The award honors outstanding contributors to the Tutorials. There are two kinds of awards:

• Continued Excellence (for tutorials given over the course of five years)
• Best Tutorial (for the previous few years)

The Symposium may present one or both awards in any year, and each is accompanied by an honorarium. All tutorials are rated by attendees and the Tutorial Coordinators according to the four criteria:

• Presentation content
• Speaker elocution
• Visual materials
• Printed text

The number of years a tutorial has been presented is an additional criterion for the Continued Excellence award.

“Experience in Reliability Data Analysis”

William Meeker
Iowa State University

William Q. Meeker is Professor of Statistics and Distinguished Professor of Liberal Arts and Sciences at Iowa State University. He is a Fellow of the American Statistical Association (ASA) the American Society for Quality (ASQ), and the American Association for the Advancement of Science, and a past Editor of Technometrics. He is co-author of the books Statistical Methods for Reliability Data with Luis Escobar (1998), the forthcoming second edition of Statistical Intervals with Luis Escobar and Gerald Hahn (2017), numerous book chapters, and publications in the engineering and statistical literature. Meeker has won numerous awards for his research including the ASA Best Practical Application Award, the ASQ Statistics Division’s W.G. Hunter Award, the ASQ Shewhart Medal, the ASQ Brumbaugh Award, and the ASA’s Deming Lecture Award. Professor Meeker is an expert in the application of statistical methods to engineering and business problems and especially applications relating to product reliability, non-destructive evaluation, and the quantification of uncertainty due to limited data. He has done research and consulted extensively on problems in reliability data analysis, warranty analysis and prediction, pipeline integrity, accelerated testing, nondestructive evaluation, and statistical computing.

Luis Escobar
Louisiana State University

Luis A. Escobar is a Professor in the Department of Experimental Statistics, Louisiana State University. He is a Fellow of the American Statistical Association and an elected member of the International Statistics Institute. He is past Associate Editor for Technometrics. He is co-author of two books: Statistical Methods for Reliability Data (Wiley 1998) and Statistical Intervals: A Guide for Practitioners and Researchers, Second Edition (to be published by John Wiley & Sons Inc. in 2017). He has been the recipient of several awards including the 2013 Hunter Award, and he was elected to the Colombian Academy of Exact, Physical, and Natural Sciences in 2014. His publications have appeared in the engineering and statistical literature.

“Introduction to Life Data Analysis”

Lawrence Leemis, The College of William & Mary

Lawrence Leemis is a professor in the Mathematics Department at the College of William and Mary. He received his B.S. and M.S. degrees in Mathematics and his Ph.D. degree in Industrial Engineering from Purdue University. He has also taught courses at Purdue University, The University of Oklahoma, and Baylor University. His consulting, short course and research contract work includes contracts with AT&T, NASA/Langley Research Center, Delco Electronics, Department of Defense, Air Logistic Command, ICASE, Komag, Federal Aviation Administration, Tinker Air Force Base, Magnetic Peripherals, Woodmizer, Yorktown Naval Weapons Station, Argonne National Laboratory, and PIETech. His research and teaching interests are in reliability and simulation.
List of Recipients of the Alan O. Plait Award

2013  Feng-Bin Sun, “An Introduction to Quantification of Reliability Burn-In and Environmental Stress Screening (ESS)” [2012 – 2013]
2011  Vasilyi Krivtsov, “Field Data Analysis and Statistical Warranty Forecasting” [2008 - 2011]
A RAMS® student paper award competition was first created for the RAMS® 2009. A panel of three judges evaluates the papers and presentations using a scoring system similar to the system used for the R. A. Evans / P.K. McElroy Award. Each year, the best student papers from each session are selected by the RAMS® Vice Chairs and circulated for consensus at the October meeting. The scoring is done through an on-line paper system. The top five are reviewed during the RAMS® Symposium for “best oral presentation.” Winners receive their awards prior to the RAMS® Banquet.

The Winners for 2016 were:

1st Place, **Rafael Fricks**  
Department of Electrical and Computer Engineering Duke University,  
Durham, North Carolina, USA

**Paper 328, “Reliability Models of Chronic Kidney Disease”**  
Rafael Fricks is a Duke University Dean’s Graduate Fellow, and NSF graduate research fellow. In 2013, he received his Bachelor’s degree in Biomedical Engineering from the University of Texas in Austin.  
Coauthors – Dr. Andrea Bobbio & Dr.Kishor S. Trivedi

2nd Place  
**Uthman Said**, Department of Mechanical & Industrial Engineering Ryerson University  
Toronto, Ontario, Canada

**Paper 220, “Modeling Failure & Maintenance Effects of a System Subject to Multiple Preventive Maintenance Types”**  
Uthman Said is a graduate student in Industrial at Ryerson University. He obtained his BEng in Mechanical Engineering at Ryerson University. His focus is on reliability modelling and maintenance optimization in mining.  
Coauthor – Dr. Sharareh Taghipour

3rd Place  
**Kangwon Seo**, School of Computing, Informatics and Decision Systems Engineering  
Arizona State University, Tempe, Arizona, USA

**Paper 107, “Data Analysis for Accelerated Life Tests With Constrained Randomization”**  
Kangwon Seo is a Graduate Associate in the School of Computing, Informatics and Decision Systems Engineering at Arizona State University. He received his MS in Industrial Engineering from Arizona State University in 2014. His research interests include reliability data analysis, design of experiments and statistical learning.  
Coauthor – Dr. Rong Pan
Sponsoring Society Awards

The ASQ Reliability Division 2016 RAMS® Best Paper Award goes to Vladimir Babishin and Sharareh Taghipour for “Joint Maintenance and Inspection Optimization of a k-out-of-n System.”


IIESE 2016 William A. Golomski Award for the Best Paper authored by a member of IISE/QCRE, Quality and Reliability Engineering Division goes to Tongdan Jin, Ph. D., Texas State University Zhaojun (Steven) Li, Ph.D., Western New England University for “Reliability Growth Planning for Product-Service Integration.”

The IEEE Reliability Society Engineer of the Year Award goes to Shiuhpyng Winston Shieh, Professor of Computer Science at National Chiao Tung University for “Innovations and technical contributions to the design of intrusion detection approaches, and reliability and security hybrid mechanisms.”

IEEE RS “Lifetime Achievement” Award goes to Ann Marie Neufelder President of SoftRel LLC, IEEE Std 1633 Working Group Chair for “A diverse career in pioneering software reliability process and tool innovations; for delivering innovative software solutions and analysis methods used in space, military defense, aerospace, semiconductor, and medical devices; for leadership and advances of Software Reliability in IEEE Standards; and for entrepreneurship in founding and running a small business since May 1992.”

The Society of Reliability Engineers (SRE) 2016 Stan Oftshun Award for the Best Paper by an SRE member goes to Zhicheng Zhu, Yisha Xiang, Suzan Alaswad, Richard Cassady for “A Sequential Inspection and Replacement Policy for Degradation-based Systems.”

SRE Hans Reiche Scholarships to attend RAMS® go to Richard Salter, University of South Alabama Vidhyashree Nagaraju, University of Massachusetts-Dartmouth
Allan Mense, *Raytheon Missile Systems*
Amos Gera, *ELTA Systems* *
Anatoly Lisnianski, Israel Electric Corporation
Andre Kleyner, Delphi Electronics & Safety
Antoine Rauzy, École Centrale - Paris
Bob Reinertsen, Baker Hughes
C. C. Jane, Ling Tung University *
Christopher Berenguer, Grenoble Institute of Technology
Claudio M. Rocco, Universidad Central de Venezuela
Clifton Lancaster, Hartford Steam Boiler Inspection & Insurance Co.*
Daniel Abishai, Intel Corp
Edwin Vijay Kumar, Vizag Steel
Emmanuel Remy, EDF
Frank Fan, Finning-Canada
Gregory Butler, Nordson ASYMTEK
Harry Guo, Reliasoft Corporation
Jean-Rémi Massé, Snecma
Jose Ramirez-Marquez, Stevens Institute of Technology
Katrina Groth, Sandia National Laboratories
Krishna B. Misra, Indian Institute of Technology
Luidong Xing, University of Massachusetts - Dartmouth
Marcel Chevalier, Schneider Electric
Melinda Hodkiewicz, University of Western Australia
Min Xie, City University of Hong Kong
Paul Schimmerling, Renault
Ramdev Kanapady, MSCWorks Inc.
Ramesh Anapathur, Boeing
Sameer Vittal, GE Energy
Sharareh Taghipour, Ryerson University
Soumaya Yacout, École Polytechnique de Montreal
Warren Naylor, Northrop Grumman
Wilkistar Otieno, University of Wisconsin-Milwaukee
Yiming Deng, University of Colorado
Dates and Places for Future Annual Reliability & Maintainability Symposia

2018  Silver Legacy Hotel, Reno, Nevada

2019  Walt Disney Contemporary Hotel, Orlando, Florida

2020  Marriott Renaissance Hotel, Palm Springs, CA

2021  Rosen Plaza Hotel, Orlando, Florida

2022  Hilton El Conquistador Resort, Tucson, Arizona