

SPEAKERS' BIOGRAPHIES

Listed Alphabetically

Alexandria, Virginia
January 17 - 18, 1996



JERRY P. ALLEN, JR.

Consultant • Maintenance Human Factors • Boeing Commercial Airplane Group

Jerry has been a Consultant on Maintenance Human Factors for the last two years at Boeing Commercial Airplane Group - Customer Services Division. He has a Master's of Science in Aviation Safety and a Bachelor's of Science in Aviation Science. Jerry was with Continental Airlines for eight years as the MX of Operations, reliability quality assurance, and safety, CRM for MX Facilitator. He was also with TWA for one year as the Flight Safety Training Instructor, trained accident investigator.

STEVE CHERVAK

Masters Student • Department of Industrial Engineering • SUNY-Buffalo

Steve has his Bachelor's of Science in Interdisciplinary Engineering and Management from Clarkston University and is currently completing his Master's of Science in Industrial Engineering with a concentration in Human Factors at the University of Buffalo. He has worked for both DuPont and McGuard Industries implementing ergonomic improvements, and is currently working under the guidance of Dr. Colin Drury on the FAA Office of Aviation Medicine's Aging Aircraft Program. Steve is also the vice-president of the Student Human Factors and Ergonomics Society.

BILLY G. CUNNINGHAM

Director • Technical Operations Training • Northwest Airlines

Billy is presently Acting Director, Quality Assurance for Northwest Airlines, Technical Operations. In his position, he is responsible for Technical Training, Audit and Surveillance, Reliability Control and Maintenance Programs. He has held several management positions in both Flight and Technical Operations since joining Northwest Airlines in 1988. From 1958 to 1988 he was on active duty with the U.S. Coast Guard, and retired with the rank of Captain. He has a Bachelor of Liberal Studies Degree from the University of Oklahoma and is also a graduate of the National War College.



COLIN G. DRURY

Professor • Department of Industrial Engineering • State University of New York at Buffalo

Colin is Professor of Industrial Engineering at the University at Buffalo, where his work is concentrated on the application of ergonomics techniques to manufacturing and maintenance processes. Formerly Manager of Ergonomics at Pilkington Glass, he has over 200 publications on topics industrial process control, quality control, aviation maintenance and safety. He was the founding Executive Director of The Center for Industrial Effectiveness, which works with regional industries to improve competitiveness and has been credited with creating and saving thousands of jobs in the region. He is a Fellow of the Institute of Industrial Engineers, the Ergonomics Society and the Human Factors Ergonomics Society and the Fitts Award of the Human Factors Ergonomics Society. He has a private pilot's license.



DR. MICA ENDSLEY

Associate Professor • Department of Industrial Engineering • Texas Tech University

Mica R. Endsley is an Associate Professor of Industrial Engineering at Texas Tech University. Dr. Endsley has been working on issues related to situation awareness in high performance aircraft for the past ten years, most recently expanding this research to air traffic control and maintenance for the Federal Aviation Administration. She received a Ph.D. in Industrial and Systems Engineering from the University of Southern California, with a specialization in Human Factors. She is a registered Professional Engineer and a Certified Professional Ergonomist.

The Honorable JOHN GOGLIA

Member • National Transportation Safety Board

John Goglia is a member of the National Transportation Safety Board.

DR. ANAND GRAMOPADHYE

Professor • Department of Industrial Engineering • Clemson University

Anand is an assistant professor of Industrial Engineering at Clemson University. His research interests are concentrated in the area of modeling humans in process and quality systems, aviation human factors, training and inspection. He is a member of the Human Factors and Ergonomics Society, Institute of Industrial Engineers and American Society for Quality Control.



DONNACHA HURLEY

Chief Executive • Team Aer Lingus

Mr. Hurley took up his appointment as Chief Executive of TEAM Aer Lingus in June 1994. Since then he has been leading the drive in implementing the changes required to ensure survival and restore TEAM to profitability.

Mr. Hurley joined Sterling Drug (Ireland) in 1986 as Project/Engineering Manager where he had responsibility for the building of the manufacturing facility in Dungarvan, County Waterford.

He was appointed General Manager of the Irish operation in 1988. In 1990 Mr. Hurley was appointed Director of Manufacturing Operations, Europe/Meeasc for Sterling International where he had responsibility for manufacturing in Europe and the Middle East and Africa. In February 1991, Mr. Hurley was appointed Vice President for Manufacturing and Logistics and then Vice President Operations in March 1993 for Sterling Health Europe.

Between 1974 and 1986, Mr. Hurley held a number of senior positions with M.F. Kent - the Irish based Electrical Engineers and Contractors. He worked on a number of projects in Ireland including Project Director on the Aughinish Alumina Plant in Limerick and overseas projects in Libya, Iraq and Holland.

Mr. Hurley graduated with a first class honours degree in electrical engineering from University College Cork.



DR. WILLIAM B. JOHNSON

Galaxy Scientific Corporation

Bill has a unique combination of qualifications. He is an Aviation Maintenance Technician, a pilot for 30 years, and a Ph.D. He has also served as a Designated Mechanic Examiner for the FAA. He is the Vice President of the Information Division for Galaxy Scientific Corporation in Atlanta. His Division specializes in human factors, technical information and digital documentation systems, mobile computing, and computer-based job-aiding and training systems. He is the Galaxy Program Manager for the Human Factors in Aviation Maintenance research program sponsored by the FAA Office of Aviation Medicine. Dr. Johnson, working with Professor Colin Drury, and Dr. Michael Maddox, offers custom airline human factors courses ranging from 1 to 3 days.

JOSEPH R. KANIA

Senior Director of Quality and Safety • USAir

Joe was appointed Senior Director of Quality and Safety for USAir in June 1994. He has over 40 years of aircraft experience, and 33 years with USAir. He has held leadership positions in Line Maintenance, Powerplant Maintenance, Ground Equipment, and Maintenance Control. He is currently responsible for Human Factors, Safety, Quality Assurance, Inspection and Technical Records.

Joe is a member of the American Society for Quality Control, Chairman of ATA Quality Assurance Committee, Former Vice Chairman of [C.A.S.E.](#), and is involved in several ARAC Working Groups. Joe was recently honored by the Air Transport Association with the "Nuts and Bolts Award".

Joe is a graduate of the Pittsburgh Institute of Aeronautics. He holds an A&P Mechanic's License.



RICHARD KOMARNISKI

Grey Owl Aviation Consultants

Richard is President of Grey Owl Aviation Consultants, Onanole, MB. He has worked as an aircraft maintenance technician for the last 20 years holding AME and A&P ratings. His maintenance experience has been with Regional Airlines in central Canada and Transport Canada Airworthiness Department in Central Region for five years.

His diversified career in aviation led him to the opportunity of investigating human factors and how they affect the aircraft maintenance technicians' judgment.

Richard has been providing human factors training to various aviation maintenance departments over the past two years in Canada and the U.S. He is excited about the future and the positive response that is received from the participants.



FRED LEONELLI

Manager • Aircraft Maintenance Division • FAA Flight Standards Service

Fred is Manager of the Aircraft Maintenance Division at the FAA Flight Standards Service in Washington, D.C.



GOPINATH
MEGHASHYAM

Senior Engineer • Galaxy Scientific Corporation

Megh is currently Staff Analyst at Galaxy Scientific Corporation. He has a BS in Mech. MS (Software Systems) from BITS Pilani India and a Masters of Science in Industrial Engineering - Human Factors and Human Computer Interaction from Clemson University, SC.

His current projects include the Ergonomic Audit Program (ERNAP) for the FAA/AAM; the Aircraft Systems Alert Program ASAP, a Multimedia-based Aviation Fire Fighters Information Application; and the On-line Aviation Safety Inspector System (OASIS), the wireless communication application for aviation and maintenance inspectors being developed for the FAA. Among his past projects is the Advanced Technology Training System (ATS), a multimedia based tutoring application developed for EPRI and CRIEPI.

DAL MORTENSEN

Senior Staff Executive • Maintenance & Engineering-SFOEG • United Airlines

Dal held the position of Director of Quality Assurance at United Airlines. He is currently the Senior Staff Executive of Maintenance and Engineering at United Airlines.

J.P. OUELLETTE

Program Leader • G.E. Aircraft Engines

J.P. is the Program Leader of Maintenance Data Operation at G.E. Aircraft Engines.

He is a member of the AIA Simplified English Working Group, and is also a licensed airframe and powerplant mechanic.



DR. LAWRENCE J. RIFKIND

Associate Dean • College of Arts & Sciences • Georgia State University

Dr. Rifkind received the Ph.D. degree in Speech Communication from Florida State University. He has been a member of the faculty at Georgia State University for 21 years. Dr. Rifkind is currently serving as an Associate Dean in the college of Arts and Sciences. His research and instructional areas include organizational communication, intercultural communication, gender and communication, sexual harassment, and nonverbal communication. He has written over 60 articles and papers. His most recent projects include the books, *Sexual Harassment in the Workplace: Women and Men in Labor* and *Cultural Collision: Quality Teamwork in the Diverse Workplace*.

DR. MICHELLE M. ROBERTSON

Assistant Professor • Institute of Safety and Systems Management • University of Southern California

Michelle is an Assistant Professor at the Institute of Safety and Systems Management at the University of Southern California. Dr. Robertson has been investigating issues related to human factors and team training for the past ten years, recently focusing on the area of aviation maintenance and technical operations for the Federal Aviation Administration. She received a Ph.D. in Instructional Technology from the University of Southern California, with a specialization in Human Factors and Systems Management. Her undergraduate degree was in Human Factors from the University of California at Santa Barbara. She is a Certified Professional Ergonomist and also is a member of the executive council of the Human Factors and Ergonomics Society.



BOB RUSSELL

Flight Safety International

Bob recently joined FlightSafety International as Project Manager for Maintenance Training Plans. His experience and training are in aviation maintenance management. He was Director of Aircraft Services at Duncan Aviation in Lincoln, Nebraska for seven years before joining FlightSafety. Prior to that, he was a career US Air Force officer with extensive aircraft maintenance and logistics management experience, including assignments in SR-71, U-2 and TR-1 Blackbird programs. He holds a Master of Science degree in Aviation Management from Embry-Riddle Aeronautical University.

LCDR JOHN K. SCHMIDT MSC USN

Human Factors Analyst • Naval Safety Center

John is the staff Human Factors Analyst at the Naval Safety Center NAS Norfolk, VA. He has worked on military aviation human factors issues for over twelve years. His decorations include: the Meritorious Service, Navy and Army Commendation, and Navy and Army Achievement Medals. He holds a Doctorate in Psychology from the University of Houston, a License as a Psychologist in Pennsylvania, and a Certification from the Board of Professional Ergonomics. He is also a member of the American Psychological Association and the Human Factors and Ergonomics Society.

DR. WILLIAM T. SHEPHERD

Federal Aviation Administration • Office of Aviation Medicine

Dr. Shepherd is the manager of the Biomedical and Behavioral Sciences Branch of the Federal Aviation Administration Office of Aviation Medicine.

WELCOME

CLOSING

REMARKS

JOHN STELLY

Director • Systems and Training • Continental Airlines

John was a graduate of Tulane University in 1977, after earning a BS Degree in Mathematics. He then was commissioned and officer in the U.S. Marine Corps. He served over five years on active duty in various assignments in Aviation Maintenance. After earning two personal awards for performance and innovation, he transferred to the Marine Corps Reserve where he still serves today having attained the rank of Lieutenant Colonel.

John joined Continental Airlines in 1985. His initial assignments were as Project Manager in the mergers of New York Air, People Express and Frontier Airlines with direct responsibility for Materials and Inventory Management.

The last five years, John's responsibilities shifted to maintenance as the Director of Training and Information Systems for Technical Operations. In this position he has been actively involved in diverse projects such as Technical Training Assessments, Work Card Automation, Inventory Management and Ground Damage Assessment. Additionally he has acted as Program Director for "Maintenance Resource Management" in Technical Operations since 1991.

DIANE WALTER

Aviation Psychology Consultant • Boeing Commercial Airplane Group

Diane is a Human Factors Engineer - Maintenance Human Factors Team, with Boeing Commercial Airplane Group. She has a B.S. in Metallurgical Engineering, University of Washington; M.A. in Psychology, Adler School of Professional Psychology - Chicago. Her experience includes: Materials Engineer at Puget Sound Naval Shipyard; Management Consultant to U.S. West; Human Factors Engineer at Boeing for over seven years. She created and developed the Task Analytic Training System and has been actively implementing it for the past six years.

TERRY WASHOW

Senior Systems Analyst • American Airlines

Terry is the Senior Systems Analyst for American Airlines in Chicago.