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Maintenance 2020: What Does This Mean to the Maintenance Technicians?

Presenters

Bill Schlegel, Novelis

Bill recently retired from Novelis, a global aluminum rolling company, where he held the position of Director of Manufacturing Excellence and Technology, working with Reliability, Energy, Process Control/Quality and CI. In this position he was responsible for Global Technology related to the aluminum sheet business which includes technology development, knowledge sharing on a global basis and linkage between the technical community and the business.

In the past he has held positions as Plant Manager at the Ulsan South Korea rolling facility acquired by Novelis in 2000, as well as Manager of Engineering/Maintenance, Cold Rolling and Hot Rolling at Logan Aluminum between 1982 to 2000. Bill was a part of the engineering team that designed and built the Logan facility in the early 1980's (Logan Aluminum is partially owned by Novelis).

Bill was a charter member of the founding group for SMRP in the early 1990's and served as the 3rd Chairman along with chairing the first two conferences.

Dr. Roy A. Swift, Senior Director American National Standards Institute

Dr. Swift is currently the senior director of personnel credentialing accreditation programs at ANSI. Prior to his current position, he was a consultant to educational, certification, licensure and health care organizations. From 1993-1998 he was executive director of the National Board for Certification in Occupational Therapy (NBCOT). This appointment followed a 28-year career in the United States Army Medical Department. In his last position, he was Chief of the Army Medical Specialist Corps in the Army Surgeon General's Office with policy respon-

sibility for Army occupational therapists, physical therapists, dietitians and physician assistants throughout the world.

Dr. Ed Mahood, DEKRA

Ed Mahood is Strategic Projects Manager at the DEKRA Akademie GmbH, Stuttgart. He is primarily responsible for the management, coordination, and DEKRA representation in a variety of European Commission projects focusing on ITC, skills-needs assessment, employability, and European-level vocational-education policy. Prior to coming to DEKRA, he worked as Maintenance Analyst, Logistics Engineer on large-scale defense projects, and as Quality Assurance Manager for a medical-imaging equipment producer. Besides a doctorate in human behavior, he holds an MBA in executive management and an MA in online and distance education.

Dr. Jun Ni, University of Michigan

Dr. Jun Ni is the Shien-Ming Wu Collegiate Professor of Manufacturing Science and Professor of Mechanical Engineering at the University of Michigan, USA. He serves as the founding Dean of the University of Michigan – Shanghai Jiao Tong University Joint Institute located in Shanghai, China since 2006. He is also the director of the S. M. Wu Manufacturing Research Center and the co-director of a National Science Foundation sponsored Industry/University Cooperative Research Center for Intelligent Maintenance Systems at the University of Michigan.

Selected honors and awards that Professor Ni received include 2009 Ennor Manufacturing Technology Award from American Society of Mechanical Engineering (ASME), Fellow of ASME and of Society of Manufacturing Engineers (SME), 1994 Presidential Faculty Fellows Award from President Bill Clinton, and 1991 Outstanding Manufacturing Engineers Award from SME.

Dr. Paul Venhovens, Clemson-ICAR

Paul Venhovens comes to CU-ICAR from BMW's Research and Development headquarters in Munich, Germany, where he worked in the field of systems integration since joining the company in 1995. He most recently served as the leader for Functional Concept Design for the 1 and 3 series with responsibility for functional design and integration of vehicle safety, NVH (noise/vibration/harshness), durability, performance, fuel economy and vehicle dynamics. Dr. Venhovens received his Ph.D. in mechanical engineering in 1993 from Delft University of Technology in his home country of the Netherlands. Before joining BMW, he conducted post-doctoral research at the University of Michigan Transportation Research Institute (UMTRI) in Ann Arbor, Mich., in the area of simulation and control design for ITS (lane departure warning and control) applications.

Brad Neese, Apprenticeship Carolina

Brad Neese is a consultant with Apprenticeship Carolina™, a division of the South Carolina Technical College System. Before this current position, Brad served at the SC Department of Commerce overseeing the Small Business Ombudsman's Office. Brad holds a Masters of Public Administration degree from the University of South Carolina and is currently a Political Science Doctorial Candidate at the University of South Carolina. Brad and his wife Jennifer live in Columbia with their daughter Amelia.

Joseph A. Wilson, Lockheed Martin

Joe Wilson, a 26-year veteran of the United States Air Force, assumed his current position in July 2010, as Community and Government Relations Representative, Lockheed Martin Kelly Aviation Center, in San Antonio, Texas. He previously served as the company's Manager, Workforce Development. Mr. Wilson oversees efforts to replace retiring Kelly Aviation Center employees with younger and better-educated workers. In doing so, he works hand-in-hand with the Alamo College District and area school districts. He serves on the San Antonio Aerospace Industry Council that develops long-term strategies to ensure that a qualified workforce will be available through education, training pipelines, apprenticeships and mentoring programs. He was a key member of the working group that organized and developed plans for the Alamo Area Aerospace Academy, a program that offers participating high school juniors and seniors dual college credits in airframe and power

plant technology and starts preparing them for careers in the aviation industry. This unique and innovative partnership involves every school district in San Antonio, numerous aerospace companies, the Alamo College District and the City of San Antonio.

Kelly D. Lowry, Lowry Controls

Kelly D. Lowry graduated from Milwaukee School of Engineering with a Bachelor's Degree in Electrical Engineering Technology. During his 22 year career he has worked for Jeep in China, Chrysler, Ford, and Guardian Glass in the USA. Kelly has performed in the following positions: Electrical Engineer, Controls Engineer, Process Engineer, Engineering Manager, Production Supervisor, Maintenance Supervisor, Maintenance Planning Specialist, and Maintenance Manager. In 2005 he established **Lowry Controls Inc.** a custom engineering & manufacturing company. Lowry Controls provides engineering support in Automotive, Material Handling, Safety Systems, Inspection, City Utilities, Trade Show, Research Laboratories, Education, Mining, and Industrial Manufacturing.

Keller McGaffey, Interactive Training Systems, Inc.

Keller McGaffey began his engineering career as an 11 year old, working for his father's company, John D. McGaffey & Company. At 21 years old, he was hired as a project engineer with Lamb Technician (the largest Machine Tool Builder in North America). At the age of 29, he became Lamb's youngest executive as Director of Engineering. In 1992 he left Lamb, to acquire John D. McGaffey & Company. During his 20 years in business he also formed ECPL, L.L.C., a safety lockout sign and safety training supplier in 1995, and Interactive Training Systems, Inc. in 1999. Since that time **Interactive Training Systems, Inc.** has emerged as a leader in innovations in interactive training and knowledge systems for use in Automotive, Aerospace, Heavy Truck, Medical, and Government Industries.

Keith Davis, Toyota Motor Manufacturing Kentucky

Keith has been with Toyota for the past 8 years. He previously managed maintenance operations for TMMK's Body Weld Department and currently is assigned to standardize regional maintenance training and development for the North America region. Prior to Toyota, Keith spent 7 years with Subaru Automotive in Lafayette, Indiana. Keith is retired from the US Navy and holds a BA in Organizational Management.