

DISCUSSION GROUP P2/T2

MONITORING VIBRATIONS and OTHER CRITICAL MACHINE CONDITIONS



Bill Marscher, P.E., is President and Technical Director of Mechanical Solutions, Inc., where he and other staff perform design, analysis, testing, and troubleshooting of pumps and miscellaneous turbomachinery. Bill has over 40 years of hands-on as well as design experience with rotating machinery in the aerospace, power, and process industries. Bill is presently one of the US representatives to the ANSI/ ISO Machinery Acoustics and Vibration Standards Committee ISO TC108/S2, is past Board Chair of the Society for Machinery Failure Prevention Technology (MFPT), and is past President of the Society of Tribologists & Lubrication Engineers (STLE). He is an Hydraulic Institute Standards Partner, and is a ten year veteran of the TAMU Pump Symposium Advisory Committee.



Ronald B. (Ron) Adams is Global Portfolio Manager - Petroleum, with Sulzer Pumps in Houston, TX. He works with product development on new product definition and provides global product support. He has been with Sulzer since 1991 and has held various sales, marketing, and alliance management positions. Previously, he was with Ingersoll-Rand for over 18 years in pumps and hyperpressure equipment businesses. He received his BS degree (Mechanical Engineering Technology, 1974) from Southern Technical Institute (summa cum laude) and studied toward his MBA at Georgia State University. He is a member of the ISO 13709 / API 610 Joint Working Group, API 676, and API 685 subcommittees.



Mike Pepper is Chief Machinery Engineer for ExxonMobil Upstream, based in Houston, Texas. As a Senior Consultant and mentor for the worldwide machinery community, he supports the Production, Development and Research divisions of the company. He has 34 years O&G experience, through working onshore, offshore, Middle East, Africa, Far East, North America, and the North Sea. He has broad experience in Oil & Gas production, including power generation, water and gas injection, high pressure sour gas and LNG production. He specializes in gas turbine and centrifugal compressor performance analysis and currently focuses on research and qualification of new technology applications in machinery. Mr. Pepper received a B.Sc. in Mechanical Engineering (1976) from Portsmouth, UK, and is registered as a C. Eng, Eur Ing and a member of FEANI.



Stephen R. (Steve) Locke is a Senior Consultant in DuPont Engineering Technology Rotating Machinery Group in Old Hickory, TN. He moved to corporate engineering in 1983 to consult in turbomachinery for reliability improvements, retrofits, performance analysis, and for specification and startup of new equipment. More recently, Steve has also been leading a corporate effort to identify machinery credible failure modes and appropriate steps to quantify and manage safety risk. Steve received a BS degree (Mechanical Engineering, 1972) from Purdue University and is a member of ASME. He has been active on the Turbomachinery Symposium advisory committee, authored several papers, case studies, leading discussion groups, and represents DuPont on the Texas A&M Turbomachinery Research Consortium.

Thomas Kaiser has been an Engineering Analyst with Sulzer Pumps Inc. in Portland, Oregon since 1996, leading the analysis team since 2001. In this position he is responsible for performing stress, finite element, rotordynamic, and vibration analyses for new and installed centrifugal pump applications, calculation tool development, and seismic qualification analyses. He began his career in 1994 with Sulzer Pumps Headquarters in Switzerland as a development engineer working in the field of rotordynamics. Mr. Kaiser has B.S. and M.S. degrees in Mechanical Engineering from the Swiss Federal Institute of Technology (ETH) in Zurich.

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Al Miller is a Senior Upgrades Engineer at Flowserve Corporation. He has served as Engineering Consultant, Manager of Engineering, Manager of Quality Assurance, Engineering Product Manager, Chief Test Engineer, and many other roles in the turbomachinery industry for over thirty years. He earned his BSME from Pennsylvania State University in 1968.

Jack Claxton



Maki M. Onari is Manager of Turbomachinery Testing at Mechanical Solutions, Inc. (MSI), in Whippany, New Jersey. He is responsible for field vibration testing involving ODS and Modal analysis. His career spans more than 16 years primarily working with rotating equipment analysis and troubleshooting in the petrochemical, refinery, and power generation industries. Prior to joining MSI, Mr. Onari was a Rotating Equipment Engineer in PDVSA-Venezuela responsible for the predictive maintenance of one of the largest petrochemical complexes in Latin America. Mr. Onari received his B.S degree (Mechanical Engineering, 1996) from the Zulia University in Venezuela. He is a member of ASME and the ISO TC108/S2 Standards Committee for Machinery Vibration.



Simon Bradshaw is the Global API Product Development Manager for ITT Goulds Pumps, in Seneca Falls NY. His responsibilities include the design and development of new products and processes for the oil and gas industry. Prior to joining ITT Goulds, he worked for both Sulzer Pumps and Weir Pumps, where he held various positions of engineering and contractual responsibility. Additionally he has supported the Hydraulic Institute in the development of pump standards and best practice guides. Mr. Bradshaw has accumulated 24 years in the pump industry. He attributes this to having never exhausted the fun inherent in moving fluid between two improbable locations. He holds a BEng (Hons) degree (Mechanical Engineering) from Heriot Watt University, is a registered Chartered Engineer in the UK and a member of the Institute of Engineering Designers.
