View metadata, citation and similar papers at core.ac.uk
brought to you by CORE
provided by Texas A&M Repository

SHORT COURSE T3
on
API 616 GAS TURBINE

Klaus Brun manages the Machinery Section at Southwest Research Institute. His experience includes positions in engineering, project management, and management at Solar Turbines, General Electric, and Alstom. He holds two patents (4 patents pending), authored over 80 papers, and published a textbook on gas turbines. He is a member of the ASME-IGTI Board of Directors and the past Chairman of the ASME Oil & Gas Applications Committee. He is also a member of the API 616 and 691 Task Forces, the Gas Turbine Users Symposium Advisory Committee, the Fan Conference Advisory Committee, and the Latin American Turbomachinery Conference Advisory Committee. Dr. Brun is the Editor of Global Gas Turbine News, Executive Correspondent of Turbomachinery International Magazine, and an Associate Editor of the ASME Journal of Gas Turbines for Power.

Thomas Domeij

Tim Hattenbach is a registered professional engineer in the state of Texas. He has a B.S. and M.S. of Mechanical Engineering from the University of Houston and has 39 years of experience in the Oil and Gas Industry. He has worked for Bechtel Corporation for over 33 years and is the Senior Principal Mechanical Engineer for compressors in the Oil and Gas Division. He has extensive experience in the application, procurement and installation of large gas turbine-driven compressor trains. He is Taskforce Chairman of two API standards, API 616 (Gas Turbines) and API 670 (Machinery Protection Systems). He is the coauthor of two patents and has coauthored several technical papers.

Henry Ko studied Mechanical Engineering at the University of British Columbia and Aerospace Engineering at the University of Toronto Institute of Aerospace Studies. He started his gas turbine career with Pratt and Whitney Canada, in Stress and Dynamics, before moving to Rolls-Royce Canada in 1992. He was involved in the design, development and standardization of the Trent DLE combustor. Currently he works in Fleet Support and Applications, providing technical support to new and existing Trent clients. Henry is a member of the Professional Engineers of Ontario and an associate member in ASME and SAE.

J. Jeffrey Moore, Ph.D., is a Principal Engineer at Southwest Research Institute, in San Antonio, Texas. His professional experience over the last 15 years includes engineering and management responsibilities at Solar Turbines, Inc., Dresser-Rand, and Southwest Research Institute. His interests include rotordynamics, seals and bearings, finite element analysis, controls, and aerodynamics. He has authored more than 10 technical papers in the area of rotordynamics and aerodynamics and has given numerous tutorials and lectures.

Dr. Moore received his B.S., M.S., and Ph.D. degrees (Mechanical Engineering, 1991, 1993, 1999) from Texas A&M University.

Terry L. Roehm is a Corporate Reliability Engineer for Marathon Oil, in Houston, Texas. He specializes in rotating equipment and his responsibilities focus on improvement of the reliability of rotating equipment for the upstream of Marathon. In addition, Mr. Roehm is involved with the specification, selection, procurement, installation, startups, troubleshooting, and turnaround planning for the rotating equipment. He has had various positions in maintenance and engineering with the downstream portions of Marathon Petroleum and Ashland Oil for more than 30 years.

Mr. Roehm has a B.S. degree (Mechanical Engineering) from Purdue University. He is a registered Professional Engineer in the State of Kentucky, the past Chairman of the API Subcommittee on Mechanical Equipment, active on several API task forces, and a member of ASME.