

## DISCUSSION GROUP T3

### DRY GAS SEALS for COMPRESSORS and PUMPS



**Bernard Quoix** is the Head of Total E&P Rotating Machinery Department since November 2003. In 1989 he became Head of Engineering of Turbomeca Industrial Division. Then he went to Renault Car Manufacturer as Assistant Manager of the testing facilities for prototype and production engines before joining Elf Aquitaine and eventually Total, mainly involved in all aspects of turbomachines, including conceptual studies, projects for new oil and gas field development, commissioning and start-up, and bringing his expertise to Operations of all Total Affiliated Companies worldwide. Bernard QUOIX graduated from ENSEM (Ecole Nationale Supérieure d'Electricité et de Mécanique, 1978) and then completed his engineering education with one additional year at ENSPM (Ecole Nationale du Pétrole et des Moteurs) in Paris, specializing in Internal Combustion Engines. He has been a member of the Turbomachinery Advisory Committee since 2005. He is also President of ETN (European Turbines Network) organization based in Brussels since April 2010.



**John G. Marta** is a Senior Compressor Seals & Systems Specialist with the Flow Solutions Group of the Flowserve Corporation in Littleton, Colorado. He is responsible for specifying compressor seal designs and support systems, and he provides related field service for turbomachinery applications. First joining the heritage company of BW/IP International, Inc., Seal Division in 1988, Mr. Marta has held various positions within Flowserve including Applications Engineer; National Flue Gas Desulfurization Systems Coordinator; Sales Engineer; and Manager, Product Marketing, with responsibilities for application and design of low emission mechanical seal technology to meet clean air and related environmental regulations in the chemical, mining, paper, petrochemical, power, and refining industries. Mr. Marta holds a B.S. (Mechanical Engineering) from Colorado State University. He is a member of SME and ASME.



**Daniel Goebel** is Head of Application Engineering & Sales Support Compressor Seals and Systems at EagleBurgmann, located in Wolfratshausen / Germany. He has more than 9 years professional experience in all aspects of dry gas seals and seal support systems for compressors like application engineering, product management, onsite support and troubleshooting. Daniel Goebel holds a degree in industrial engineering and management of the Munich University of Applied Science and started with EagleBurgmann back in 2002 as application engineer."



**Hans P. Weyermann** is Principal Rotating Equipment Engineer in the PM&IE department of ConocoPhillips Upstream Technology Group. He currently provides support to all aspects of turbomachinery in existing business units, as well as grass roots capital projects. He is also responsible for following the machinery related areas of corporate initiatives within the ConocoPhillips Upstream Company. Mr. Weyermann attended the College of Engineering in Brugg-Windisch, Switzerland. After receiving a B.S. degree (Mechanical Engineering), he joined Sulzer Escher Wyss Turbomachinery in Zurich, as an application/design engineer in the turbocompressor department. Prior to joining the Phillips Company, he was the supervisor of the Rotating Equipment department at Stone and Webster Engineering in Houston. Mr. Weyermann is a member of ASME, the API SOME, and has served on various API Task Forces.



**Leonardo Baldassarre** is currently the Engineering Manager of Compressors & Expanders within General Electric Oil & Gas Company, located in Florence, Italy. He is responsible for all requisition, standardization and detailed design of new products for centrifugal compressors, reciprocating compressors and turboexpanders. Dr. Baldassarre began his career with General Electric Nuovo Pignone in 1997. He has worked as Design Engineer, R&D Team Leader for centrifugal compressors in Florence, Product Leader for centrifugal and axial compressors and Requisition Manager for centrifugal compressors. Dr. Baldassarre received a B.S. degree (Mechanical Engineering, 1993) and Ph.D. degree (Mechanical Engineering/Turbomachinery Fluid Dynamics, 1998) from the University of Florence. He has authored or coauthored 25+ technical papers, mostly in the area of fluid dynamic design of 3D transonic impellers, rotating stall, and rotordynamics. He presently holds five patents.

**Joe Delrahim**