

## SHORT COURSE T3 CENTRIFUGAL COMPRESSORS 101

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**Mark J. Kuzdzal** was named as the Director of Business Development for Dresser-Rand's supersonic compressor development initiative in 2011. In this role Mark is responsible for guiding development of the Rampressor supersonic compression platform from prototype, to product line definition, design and demonstration to commercialization. He coordinates with the Washington-based Ramgen Power Systems team, as well as working with D-R operations and supply chain organizations to develop supply chain and component strategies. Mark is responsible for business development activities including value proposition, marketing tool development. Prior to this assignment and for nearly a decade, Mark was the Manager of the Centers of Technical Excellence organization for Dresser-Rand. He was responsible for overseeing Rotor-dynamics, Materials & Welding, Solid Mechanics, Aero/thermo dynamics and Acoustics disciplines. Mark started his career with D-R as a Rotordynamics engineer after earning a B.S. Degree (Mechanical Engineering, 1988) from the State University of New York at Buffalo. Mr. Kuzdzal's areas of expertise focus on rotor-dynamics, bearing performance, and product/process development. He has co-authored numerous technical papers and holds four U.S. Patents. Mr. Kuzdzal is a member of the Texas A&M turbo machinery advisory committee and the Penn State Mechanical Engineering Technology industrial advisory committee. He is a NLA and ASME member.

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**Jay M. Koch** is the Principle Engineering Leader for Dresser-Rand's LNG program. Prior to this he was the Manager Configure to Order Engineering, Centrifugal compressors. He has been employed at Dresser-Rand since 1991, working primarily in the Aerodynamics Group before being promoted to Manager of Aero/Thermo Design Engineering in 2005. Prior to joining Dresser-Rand he was employed by Allied Signal Aerospace. He holds a BS degree in Aerospace engineering from Iowa State University. During his time in the Aerodynamics Group, his responsibilities included the development, design, and analysis of aerodynamic components of centrifugal compressors. Additionally he was responsible for the development of software used to select and predict centrifugal compressor performance. Jay has co-authored many technical papers.

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