

**DISCUSSION GROUP T11
ON
RECIPROCATING COMPRESSORS**

Bruce Bayless, Coordinator, works for Valero Energy Corporation in San Antonio, Texas. He has been a member of the advisory committee since 2004.



Donald R. (Don) Smith, Coordinator, currently serves as President of Engineering Dynamics Inc. (EDI), in San Antonio, Texas. For the past 40 years, he has been active in the field engineering services, specializing in the analysis of vibration, pulsation, and noise problems with rotating and reciprocating equipment. He has authored and presented several technical papers. Prior to joining EDI, he worked at Southwest Research Institute for 15 years as a Senior Research Scientist, where he was also involved in troubleshooting and failure analysis of piping and machinery.

Mr. Smith received his B.S. degree (Physics, 1969) from Trinity University. He is a member of ASME and the Vibration Institute.



Bruce McCain graduated from Texas Tech University in 1987 with a BS in Mechanical Engineering. He provides technical support around the world on both rotating and stationary equipment. Mr. McCain consults on many aspects of reciprocating compressor problems including foundation strengthening and grouting, bolting and torquing, installation and maintenance, vendor surveillance, pulsation and vibration, and forensics. He has contributed to various trade publications and presented at ASME functions, Turbo-machinery Symposium, and the Gas Machinery Conference. Mr. McCain is a Registered Professional Engineer (Texas) and a Certified API 510 Pressure Vessel Inspector.



Kenneth E. Atkins is a Senior Staff Engineer with Engineering Dynamics Incorporated in San Antonio, Texas. He has extensive experience in the design and troubleshooting of a variety of mechanical systems involving reciprocating machinery, structural, and piping vibration problems. Mr. Atkins was a Research Engineer with Southwest Research Institute (1978 to 1981) and a Machinery Engineer with Exxon Chemical Americas (1981 to 1982). Mr. Atkins received a B.S. degree (Engineering Science, 1978) from Trinity University. He is a member of ASME and a registered Professional Engineer in the state of Texas. He is also a sub-task force member for pulsation and vibration control for API Standards 618 and 674.
