

Paul Michael

Director of Fluid Power Institute at Milwaukee School of Engineering

Milwaukee, WI, US

Paul Michael's area of expertise is in tribology: the science of friction, lubrication and wear.

Biography

Paul Michael is the director of MSOE's Fluid Power Institute. He has 40 years of experience formulating and testing lubricants. He is active in ASTM, ISO and NFPA standards committees and serves as a lubrication subject matter expert for major oil companies and the U.S. Military. Michael's areas of expertise include lubricant formulation and testing; contamination control and filtration; and machine failure analysis. He has more than 40 publications on the topics of energy efficient fluids, hydraulic fluid compatibility, filtration, particle characterization, and machinery lubrication. Prior to joining MSOE, Michael was the technical director of Benz Oil and a laboratory manager for Filmite Oil.

Areas of Expertise

Condition Monitoring, Engine Oils, Machine Failure Analysis, Lubricant Formulation and Testing, Tribology, Contamination Control and Filtration, Hydraulic Fluids, Machinery Lubrication

Affiliations

ASTM: Co-chair, Hydraulic Fluid Thermal Stability Compatibility Section D02.N0.15, ISO: Committee Fluid Power Product Testing Section TC 131 SC6, NFPA: Technical Board

Education, Licensure and Certification

M.B.A.

Keller Graduate School of Management DeVry University

B.S.

Chemistry University of Wisconsin-Milwaukee

Accomplishments

Edmond Bisson Best Paper Award, Society of Tribologists and Lubrication Engineers (STLE)
2020

Fluid Power Motion Control Conference Best Paper Award, American Society of Mechanical Engineering (ASME)
2019

Otto J. Maha Pioneer in Fluid Power Award, Milwaukee School of Engineering (MSOE)
2012

Karl O. Werwath Engineering Research Award, Milwaukee School of Engineering (MSOE)
2011

Award of Appreciation, American Society for Testing and Materials (ASTM)
2008

Outstanding Contributor to Standards Development, National Fluid Power Association (NFPA)
2005

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