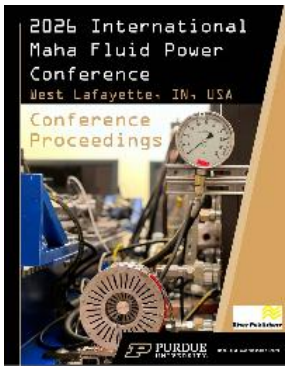

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2026 International Maha Fluid Power Conference
Fluid Power and Motion Control Technology

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Description:

The 2026 International Maha Fluid Power Conference Proceedings features 16 papers focusing on key technological advancements in the design, optimization, and condition monitoring of modern hydraulic components and systems. The papers provide insights into tribological interfaces and lubrication dynamics, detailing how advanced multi-physics frameworks can simulate contact, fluid-structure interaction, and dynamic micro-motions in heavy-duty machinery. Several experiments and novel telemetry techniques are also employed to demonstrate how embedded sensors, telemetry technologies can capture high-frequency measurement such as pressure transients, structural deformations, and flow rates in-situ, and how measurements correlate with simulations. The papers were carefully selected by the scientific committees of the conference and subjected to thorough peer-review and refinement based on reviewers' feedback. We hope the concepts, methodologies, and results presented in this edition of the Proceedings will positively contribute to the advancement of fluid power technology.

Keywords: fluid power, motion control, tribology, sensors, off-road vehicle, simulation, condition monitoring