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2024 International Maha Fluid Power Conference

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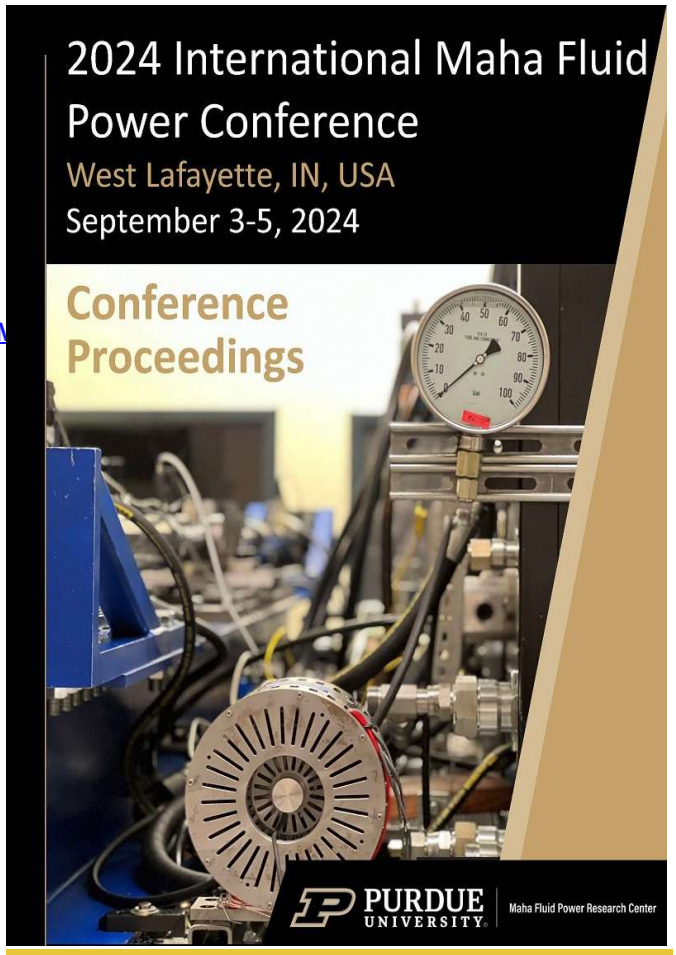
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We are pleased to present the Proceedings for the 2024 International Maha Fluid Power Conference, a event dedicated to sustainable fluid power and motion control technologies and systems. The Maha Fluid Power Conference is one of the most impactful gatherings in the field, bringing together professionals, researchers, and innovators to exchange ideas and showcase the latest research trends. This year's conference features 10 keynote lectures from leading experts representing off-road vehicle OEMs, fluid power system suppliers, universities, and local governments. In addition, there are 58 technical presentations covering a broad spectrum of topics, including novel fluid power components and systems, solutions for system electrification, condition monitoring, noise and vibration, alternative prime movers, tribology, and fluids. Of these presentations, 19 have been submitted as full conference papers, while the remaining contributions are presented as presentations only. This conference proceedings collection includes these 19 full papers, carefully selected based on thorough reviews by the conference's scientific committees and field experts. Each paper was further refined in response to reviewers' feedback. We hope the concepts, methodologies, results, and conclusions presented in this 2024 Maha Fluid Power Conference Proceedings will contribute to advancing fluid power technology for a sustainable future.



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