

Fri. Aug 23rd, 2024

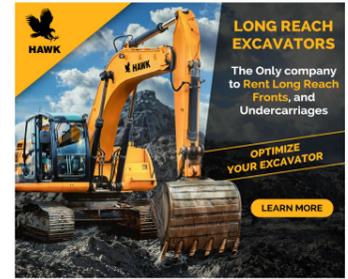
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Innovative Pumping Devices: Dr. Phillip Ligrani Wins 2024 ASME Henry R Worthington Medal

By **Chris Reynolds**

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Dr. Phillip Ligrani, a renowned expert in propulsion at The University of Alabama in Huntsville, has been honored with the esteemed 2024 ASME Henry R Worthington Medal for his groundbreaking work in developing innovative pumping devices. His pioneering research spans micro, millimeter, and macro scales, revolutionizing fluid dynamics and propulsion engineering.

Dr. Ligrani's cutting-edge advancements hold immense potential across various applications. From delicately transporting biological samples without compromising cell integrity to efficiently delivering coolant for thermal management in high-stress environments like laser systems, his work has far-reaching implications.

Throughout his tenure at the University of Alabama in Huntsville, Dr. Ligrani has spearheaded the creation of a diverse array of pumping mechanisms, ranging from rotary shaft pumps to viscous disk pumps

and more. These innovations have been extensively documented in scholarly papers and have resulted in the issuance of two patents.

The Henry R Worthington Medal, established by Worthington Pump Inc in 1980, will be formally presented during the ASME Fluids Engineering Division summer meeting in Anaheim, California. Dr. Ligrani will deliver a plenary lecture at the event, providing insights into his research findings and their applications.

Join us in celebrating Dr. Phillip Ligrani's exceptional contributions to propulsion research and fluid dynamics, as he continues to push the boundaries of innovation in pumping technology.

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