



## Ahmad Pourmovahed

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**Ahmad Pourmovahed** received his Ph.D. in Mechanical Engineering from the University of Wisconsin-Madison in 1985 minoring in Chemical and Civil Engineering. He worked at General Motors Research Laboratories as a Senior Research Engineer and at Lawrence Technological University as an Assistant Professor. Currently, he is a Professor of Mechanical Engineering at Kettering University in Flint, Michigan, USA. He teaches in the areas of Energy Systems and Sustainability. His specialty courses include Energy and the Environment, Energy Systems Laboratory and Green Energy Conversion. He has expertise in energy storage and thermal system analysis. He is an active member and a Fellow of The Engineering Society of Detroit (ESD).

His main research interests are:

- Energy system analysis and design
- Biofuel production (biodiesel and biogas)
- Renewable energy
- Sustainability
- Thermal system analysis

He has published numerous papers in the areas of Removal of Microplastics from Water, Effects of COVID-19 on Food Security, Safety and the Supply Chain, Urban Hydroponics, Design and Testing of Horizontal Axis Wind Turbine Blades and Components to Increase Efficiency, Economic Analysis of Stationary Fuel Cell Power Plants, Performance of PEM Fuel Cell Systems, Sizing Energy Storage Units for Hydraulic Hybrid Vehicle Applications, Modeling of Hydraulic Energy Regeneration Systems, and Improving Performance of Gas-Charged Accumulators Using Elastomeric Foams. His publications include 10 papers at various ICREPQ's.

**Additional Information:**

- Director of Energy Systems Laboratory at Kettering University
- Member of the ICREPQ International Scientific Committee
- RE&PQJ-Scientific Committee Member
- Fellow of the Engineering Society of Detroit