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Andrew Jackson

Professor of Practice
Mechanical Engineering and Applied Mechanics (MEAM)

Email

Honors and Awards: National Academy of Engineering - 2009, ASME Mayo D. Hersey Award - 2005

Research Expertise: Tribology | Energy

Andy Jackson is an internationally recognized leader in the field of tribology and lubrication science as a result of 35 years of industrial basic research and through his service to the technical community. His particular technical skills and interests are in elastohydrodynamic lubrication, traction, gear efficiency, rolling contact fatigue, synthetic lubricants, base stock synthesis, lubricant formulation, lubricant additives, surface films, lubricant shear stability, wear, friction, automotive fuel economy, and lubricant effects on automotive emissions.

Member of:

- [Penn Center for Energy Innovation](#)

Education:

PhD Tribology 1974 - Imperial College London
BSc Mechanical Engineering 1970 - Imperial College London

Recent Publications

- [Tribology transactions: An official journal of the society of tribologists and lubrication engineers](#), Jackson, A., Materials and Manufacturing Processes, 2009
- [On the mechanisms of the reduction in EHL traction at low temperature](#), Chang, L. | Qu, S. | Webster, M.N. | Jackson, A., Tribology Transactions, 2006
- [Tribology of internal combustion engines](#), Jackson, A. | Priest, M., Proceedings of the World Tribology Congress III - 2005, 2005
- [Manufacturing processes](#), Jackson, A. | Marinescu, I., Proceedings of the World Tribology Congress III - 2005, 2005
- [STLE forms partnership with international publishing giant](#), Jackson, A., Tribology and Lubrication Technology, 2004



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