

The Physics of Friction

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Abstract:

A historic look back at important events in history related to friction and wear will be complemented by a summary of the financial importance of friction and wear to the world's economy.

A number of important physical concepts related to friction will be explained (the friction coefficient, stick-slip etc.) and then there will be a look forward to important topics in friction research for the future.

Bio:

Dr. Ian Taylor is a **Technology Manager** in Shell's Lubricants Discovery Hub, the Innovation Team behind Shell Global Commercial's lubricant product development teams. He is responsible for managing the various University activities sponsored by the team, mainly located at Tsinghua University and Imperial College London. He also ensures new and emerging technologies are included in Shell's lubricant R&D program. Prior to this role, he was the Global Technology Manager for Shell's Lubrication Science and Tribology Team from 2006-2012. He is a Fellow of the Society of Tribologists and Lubrication Engineers and also a Fellow of the Institute of Physics.

