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Tribology Milestones 500,000 to 50,000 B.C. Friction fire: One of the most primitive ways of producing heat/fire was via friction. Fire can be created through friction by rapidly grinding pieces of solid burnable material (such as wood) against each other or a hard surface. Hand Drill, Two-Man F ...Description: This edition presents papers from the 1st International Conference on Material, Machines and Methods for Sustainable Development (MMMS 2018, 18-19 May 2018, Danang, Vietnam) that reflect the state-of-the-art in the field of materials sciences and mechanical engineering. Highlights In passenger cars 1/3 of the fuel is used to overcome friction. Worldwide 208,000 million liters fuel was used 2009 to overcome car friction. Reduced friction leads to threefold improvement impact in fuel economy. Tribology can save 117,000 million liters fuel and 290 million t/a CO₂ emission. Friction losses in electric car are half those of IC passenger car. Phone: (023) 8059 4881 Email: r.wood@soton.ac.uk Professor Robert J K Wood FREng, CEng, FIMechE, MICorr, FIMMM, FHEA, MInstPhys Professor of Surface Engineering and Tribology, Associate Dean of Research, Director of the UK National Centre for Advanced Tribology at Southampton (nCATS), Chair of UK Tribology (cross institutional committee from IMechE, IoP, IET, IOM3, RSC) - Contact Mechanics In Tribology 1st Edition