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**Theme:** Contact mechanisms between workpiece and tailored tool surfaces influencing lubrication and friction in tribologically severe manufacturing processes

**Related Presentation/Publication**

MH Sulaiman et al., Effects of DLC/TiAlN-coated die on friction and wear in sheet-metal forming under dry and oil-lubricated conditions: Experimental and numerical studies, *Wear* 438, 203040, 2019.

MH Sulaiman et al, The wettability characteristics of DLC coating for tribological engineering applications, 6th International Conference on Applications and Design in Mechanical Engineering (ICADME) 2019, Pulau Pinang, Malaysia, 26-27th August 2019. Published in IOP Conference Series: Materials Science and Engineering 670 (1), 012053.

MH Sulaiman, et al., Design and characterization of textured surfaces for metal forming applications, 6th International Conference on Applications and Design in Mechanical Engineering (ICADME) 2019, Pulau Pinang, Malaysia, 26-27th August 2019. Published in IOP Conference Series: Materials Science and Engineering 670 (1), 012056.

MH Sulaiman, et al., Tribological properties of DLC coating under lubricated and dry friction condition, 6th International Conference on Applications and Design in Mechanical Engineering (ICADME) 2019, Pulau Pinang, Malaysia, 26-27th August 2019. Published in IOP Conference Series: Materials Science and Engineering 670 (1), 012052.

MH Sulaiman, et al., CFD analysis of hydrodynamic lubrication effects of micro textured surface, 6th International Conference on Applications and Design in Mechanical Engineering (ICADME) 2019, Pulau Pinang, Malaysia, 26-27th August 2019. Published in IOP Conference Series: Materials Science and Engineering 670 (1), 012061.

MH Sulaiman, et al., Corrosion resistance of PVD hard coatings for tribological engineering applications, 6th International Conference on Applications and Design in Mechanical Engineering (ICADME) 2019, Pulau Pinang, Malaysia, 26-27th August 2019. Published in IOP Conference Series: Materials Science and Engineering 670 (1), 012054.

MH Sulaiman et al., Manufacturing strategies and tribology of tailored tool surface topographies for enhanced lubrication in metal forming, 3rd MYTRIBOS symposium 2019, 29th April 2019, Universiti Malaysia Perlis (UniMAP), Tribo-Forming UniMAP. Published in Proceedings of 3rd Mytribos Symposium 2019, 47-51.

MH Sulaiman et al., An experimental compression test of lubricants with direct measurement of lubricant pressure build-up, *Jurnal Tribologi* 20, 51-64, 2019, Special Issue - 20th Anniversary of 6th AsiaTrib conference.

Chief-in-editor (Mohd Hafis Sulaiman), Proceedings of 3rd MYTRIBOS symposium 2019, ISBN: 978-967-5760-19-8 (online).