

Thesis topics for mechanical engineering students

**\*You can insert extra rows or delete any of them!**

Supervisor	Topic of BSc thesis	Student	"Outer" (SMI) consultant
Dr. habil. Andó Mátyás	Effect of the cutting edge angle to the workpiece geometry in case of turning (force-displacement measurement and simulation)		Dr. Safranyik ferenc
	CNC turning and vibration monitoring	Aminur Rahman	Lajber Kristóf
Dr. Bak Árpád	Project plan for development of the LEAN philosophy in manufacturing!		
Prof. Dr. Csóka Levente	Hydrodynamic cavitation assisted wastewater treatment		
	Quorum sensing blocking mechanical instruments		
Prof. Dr. Kollár László	Vibration of transmission lines following load shedding		
	Modelling wind-induced vibration of conductors		
Dr. Safranyik Ferenc	Effect of contamination to macromechanical behavior of granulars	Mouna Ammar	Prof. Dr. Keppler István (SZIE)
Prof. Dr. Sidor Jurij	Experimental evaluation of stored energy in deformed metals		Purnima Chakravarty
	Examination and prediction of the source on industrial compressor's failures		Nagy Attila, Press Air Kft, attila.nagy@pressair.hu, 20/486-0550
Dr. Jegan Mohan Sudhan Raj	Strength and failure analysis of riveted joints in brake linings for heavy commercial vehicle	Mohamed Fahd Tebaa	Bátorfi János
	Thermo-Mechanical stress analysis of disc brake rotor		
	Temperature and stress distribution for commercial brake pads		
Dr. Luis Rubio Rodriguez	Turbulent Airflow Flow. Analysis, Simulation and Comparison with experimental data.		
	Design and Control of Hydraulic Circuits for Wind Turbines.		
	PV Solar Panel Thermal Analysis.		
Dr. Tej Singh	Optimization of physico-mechanical properties of waste filled polymer composites.		
	Selection of natural fiber based automotive brake materials.		
	Multi objective optimization of solar heat collector.		
Lajber Kristóf	Ficher Factory Simulation system control with microcontroler		