

Thesis topics for mechanical engineering BSc students

Supervisor	Topic of BSc thesis	Neptun code	"Outer" (SMI) consultant
Dr. habil. Andó Mátyás			
Dr. Bak Árpád	Project plan for development of the LEAN philosophy in manufacturing!		
	Project plan for development of the Visual Management and 5S in labs		
	Realizing Virtual Reality Learning Environment for Industry 4.0		
	Virtual Reality in Engineering		
Prof. Dr. Csóka Levente	Aerodynamic Design Optimization of Semi-Truck Trailers	TKTC8E	Dr. Rubio Rodriguez Luis
	Autonomous Satellite Self-Control Strategies for Collision Avoidance	J8F8G2	Dr. Rubio Rodriguez Luis/Prof. Dr. Kollár László
	Design of a small scale aircraft with novel propulsion system	EXCJXQ	Dr. Fenyvesi Dániel
	Power supply for electrical plane	XWDHJW	Prof. Dr. Sidor Jurij
Dr. Dorogi Dániel			
Dr. Fenyvesi Dániel			
Dr. Jánosi Endre			
Prof. Dr. Kollár László	Experimental modelling of conductor vibration following ice shedding	Q2U5O4	Lajber Kristóf
	Flow parameters around airfoil profiles	DW5Y00	Dr. Fenyvesi Dániel
Prof. Dr. Sidor Jurij	Experimental assesment of stored energies in metals during plastic deformation		
Dr. Rubio Rodriguez Luis	Design of centrifugal pumps with optimization insight		
	A study on human body blood from fluid dynamics perspective and its applications		
Dr. Tej Singh	Investigation of waste-filled polymer composites' mechanical properties		
	Analysis of solar thermal collector performance using soft computing technique		
Birosz Márton Tamás	Further development of 5-axis 3D printer		
	Design and development of an impact testing machine for lattice structures		
	Decision making algorithm for manufacturing		
Ledenyák Dániel	Optimization of medical device manufacturing technology	RYQVDA	céges, Ledenyák Dániel
	Development of a manufacturing process using modern statistical methods	BG9O6B	céges, Ledenyák Dániel
	Optimizing tool warehouses for small sized company's machining centers	J10G8L	céges, Ledenyák Dániel
	Process optimization for small and medium-sized companies taking into account industry standards and IT data	WHIVF6	céges, Ledenyák Dániel
Lajber Kristóf	Comparing vibration sensor positions in a CNC lathe		
Bátorfi János György	Design of a tool for deep drawing		
	Redesign of an existing transmission for a racing car	RYQVDA	Lajber Kristóf
	Investigation of hardening of 5xxx Al alloys	BBUNJ5	Prof. Dr. Sidor Jurij
	Any topic after a meeting		