

NEW METHODS OF DAMAGE AND FAILURE ANALYSES OF STRUCTURAL PARTS (STUDENT SECTION)

Study programme: Management of Industrial Systems

12:30	12:40	Chairman: prof. Ing. Darja Noskievičová, CSc.	14:30	14:40	THE CONTRIBUTION OF LIFE CYCLE ASSESSMENT TO THE PRODUCTION AND RECYCLING OF VARIOUS TYPES OF MATERIALS (Ing. Kristýna Pustějovská)
12:40	12:50	IMPLEMENTATION OF AUTOMATION IN PPC (Ing. Barbora Čapková)	14:40	14:50	ANALYSIS AND IMPROVEMENT OF TECHNOLOGY IN POWDER METALLURGY IN ORDER TO ENSURE IMPROVED PRODUCT QUALITY (Ing. Daria Strapolova)
12:50	13:00	METHODS TO ENHANCE THE OPTIC ANOMALIES IN TRANSPARENT SURFACES (Ing. Petr Havlíček)	14:50	15:00	DIGITAL IMAGE PROCESSING METHODS FOR ROLLING MILL AUTOMATION PROCESSES (Ing. Nikita Stratinskiy)
13:00	13:10	IMPACTS OF CIRCULAR ECONOMY ON LEAN MANUFACTURING AND INDUSTRY 4.0 (Ing. Mikuláš Hurta)	15:00	15:10	AUTOMATIC WOOD LOG DETECTION WITH VISION TRANSFORMERS (Ing. Petra Svobodová)
13:10	13:20	CONTROL OF A STIRLING ENGINE USED AS AN ALTERNATIVE POWER SOURCE (Ing. Jan Krátký)	15:10	15:20	PARAMETERIZATION OF THE COOLING CURVE AND DETERMINATION OF THE BEGINNING OF THE PHASE TRANSFORMATION (Ing. Dagmar Špičková)
13:20	13:30	RESEARCH INTO THE POSSIBILITIES OF IMPLEMENTING PROJECTS BASED ON INTELLECTUAL PROPERTY IN THE CHEMICAL INDUSTRY AND METALLURGY DURING THE ECONOMIC CRISIS (Ing. Ivan Kuzin)	15:20	15:30	COMPARISON OF COSTS OF CARS WITH ELECTRIC AND INTERNAL COMBUSTION ENGINE (Ing. Hana Tomčíková)
13:30	13:40	APPROXIMATION OF LASER CUTTING COSTS OF METAL SHEET PARTS IN THE CALCULATION PROCESS DURING THE BID CALCULATION TASK (Ing. Dalibor Labounek, MBA)	15:30	15:40	Coffee break
13:40	13:50	USING THE VISIONLAB MACHINE VISION SYSTEM FOR INDUSTRIAL APPLICATIONS (Ing. Andrei Laptev)	15:40	15:50	VISUAL INSPECTION FOR DEFECT DETECTION WITH ARTIFICIAL INTELLIGENCE (Ing. Antonín Tomeček)
13:50	14:00	Coffee break	15:50	16:00	DATA ANALYSIS METHODS FOR QUALITY ASSESSMENT IN INDUSTRY 4.0 (Ing. Eva Tylečková)
14:00	14:10	USE OF THE CONCEPT OF LEARNING ORGANIZATION IN THE WORLD (Ing. Kateryna Leshchenko)	16:00	16:10	USE OF AGILE METHODS IN PROJECT MANAGEMENT IN NON SOFTWARE DEVELOPMENT COMPANIES (Ing. Jakub Závorka)
14:10	14:20	HYDROPONIC GROWING (Ing. Jan Minarčík)	16:10	16:20	IMPLEMENTATION OF ACTIVITY-BASED COSTING METHOD IN FOUNDRY PRODUCTION (Ing. Martina Závrbská)
14:20	14:30	CONDITIONS OF AGENT EMPLOYMENT IN AUSTRIA AND THE CZECH REPUBLIC (Ing. Jana Pelikánová)			