

# XXVI. INTERNATIONAL CONFERENCE OF YOUNG SCIENTISTS

PROGRAMME

25.6.2024

<b>8:00 – 9:00</b>	<b>Registration</b>	<b>Faculty of Technology</b>	
<b>9:00 – 9:30</b>	<b>Conference opening</b>		
9:30	Miloš Láznička	CZU v Prahe	<b>POTENTIAL OF MAIZE BIOPHYSICAL PARAMETERS DETECTION USING SAR IMAGES</b> <i>Miloš Láznička, Jitka Kumhálová, František Kumhála</i>
9:45	Tomáš Vaško	CZU v Prahe	<b>APPLICATION OF FMEA FOR FAILURE ANALYSIS IN MICROBREWERY PRODUCTION TECHNOLOGY</b> <i>Tomáš Vaško, Zdeněk Aleš</i>
10:00	Libor Matyáš	CZU v Prahe	<b>EVALUATION OF FORAGE HARVESTING TECHNIQUES</b> <i>Libor Matyáš, Michal Strnad, František Horejš, Martin Císlar, František Tošovský</i>
10:15	Rastislav Kollárik	SPU v Nitre	<b>DEVELOPMENT AND PROGRAMMING OF A THERMAL VISION CAMERA USING THE MLX90640 SENSOR: TECHNICAL ASPECTS AND APPLICATIONS IN DRIVER SAFETY</b> <i>Rastislav Kollárik, Ivan Vitázek</i>
10:30	Martin Krasňanský	SPU v Nitre	<b>OPERATIONAL TESTING OF GASOLINE FUEL ADDITIVE</b> <i>Martin Krasňanský, Ivan Janoško</i>
<b>10:45 – 11:00</b>	<b>Coffee break</b>		
11:00	Martin Krasňanský.	SPU v Nitre	<b>TESTING THE ADHESION PROPERTIES OF MOTORCYCLE TIRES</b> <i>Martin Krasňanský, Ivan Janoško</i>
11:15	David Guth	CZU v Prahe	<b>THE USE OF REGULATORY CHARACTERISTICS TO PREDICT THE FUTURE BEHAVIOR OF A WATER TREATMENT PLANT WITH RESPECT TO THE QUALITY OF THE INLET WATER</b> <i>David Guth</i>
11:30	Jan Šonský	CZU v Prahe	<b>EFFICIENCY OF MANUAL SORTING PLANTS FOR PLASTIC WASTE</b> <i>Jan Šonský, Petr Vaculík, Vlastimil Altmann, Shuran Zhao</i>
11:45	Vladimír Mancel	TU vo Zvolene	<b>DESIGN OF TECHNOLOGY FOR THE APPLICATION OF RECYCLED GRANULATE MATERIAL TO THE PRODUCTION PROCESS OF PARTICLEBOARDS</b> <i>Vladimír Mancel, Jozef Krilek, Tomáš Kuvik</i>
12:00	Tomáš Čuchor	TU vo Zvolene	<b>ARTIFICIAL INTELLIGENCE SYSTEMS FOR MANUFACTURING TECHNOLOGY – A REVIEW</b> <i>Tomáš Čuchor, Peter Koleda</i>
12:15	Marek Lipnický	TU vo Zvolene	<b>RESEARCH ON THE COOLING PROCESS IN THE COOLING CIRCUIT OF AN AUTOMOBILE ENGINE WITH RAM AIR</b> <i>Marek Lipnický, Zuzana Brodnianská, Pavel Beňo</i>
<b>12:30– 13:30</b>	<b>Lunch</b>	<b>Menza</b>	
13:30	Monika Vargová	TU vo Zvolene	<b>MODIFICATION OF TOOLS FOR CRUSHING UNWANTED GROWTHS BY GROOVING AND SUBSEQUENT HARDFACING BY WELDING</b> <i>Monika Vargová, Richard Hnilica</i>
13:45	Stanislav Kotšmíd	TU vo Zvolene	<b>COMPUTATION OF THE NUSSELT NUMBER IN CHANNEL FLOW ON THE BASIS OF THE MESH SENSITIVITY TEST</b> <i>Stanislav Kotšmíd</i>
14:00	Lukáš Kováč	TU vo Zvolene	<b>INOVATIVE ELEMENTS IN THE DESIGN OF ESCALATORS</b> <i>Marek Gábor, Mária Vargovská</i>
14:15	Marek Gábor	TU vo Zvolene	<b>CONSTRUCTION DESIGN OF THE CHAIN CONVEYOR USING THE AUTODESK INVENTOR PROFESSIONAL</b> <i>Marek Gábor, Milan Furdík, Mária Vargovská</i>
<b>16:00</b>	<b>Bowling</b>		

26.6.2024

<b>9:00 – 13:00</b>	<b>Tourist trip</b>
<b>13:00</b>	<b>Summary of the Conference</b>

