SCHEDULE OF IN-TECH CONFERENCE 2018
MAIN HALL, 5. September 2018
Catholic University of Croatia

18:00 - 21:00	EARLY REGISTRATION

MAIN HALL, 6. September 2018

8:15 – 9.20	REGISTRATION
9:20 - 9:50	OPENING SPEECH

INVITED LECTURES	
10:00 - 10:20	Ming Xing Chu, Koji Toma, Takahiro Arakawa and Kohji Mitsubayashi	SOFT CONTACT LENS TYPE BIOSENSOR FOR CONTINUOUS MONITORING OF TEAR GLUCOSE
10:20 - 10:50	COFFE BREAK	

MAIN HALL, 6. September 2018

10:50 - 11:10	Stefan Dahlke, Stefan Holtzhausen, Christine Schöne and Ralph Stelzer	STRUCTURAL ANALYSE OF ADDITIVE MANUFACTURING PARTS IN THE NEAR DESIGN ENVIRONMENT.
11:10 - 11:30	Shohei Kajikawa, Takashi Iizuka, Toshio Takahata and Tsuneo Maki	MECHANICAL PROPERTY AND FLAME RETARDANCY OF COMPOSITE MATERIAL PRODUCED FROM ALUMINUM HYDROXIDE SLUDGE AND POLYETHYLENE
11:30 - 11:50	O. Vrátný and A. Herman	NUMERICAL SIMULATION OF DIFFERENT GATING SYSTEMS IN INVESTMENT CASTING TECHNOLOGY
11:50 - 12:10	K. Hylák, P. Drašnar, J. Kudláček, M. Jindřišek and M. Pazderová	METHODS OF CLEANING ELECTRODES FOR BULK CATAPHORESIS
12:10 - 12:30	Tomaž Pepelnjak and Mitja Kuštra	DIGITAL OPTIMISATION OF FORGING PROCESS
12:30 - 14:10	LUNCH	
14:10 - 14:30	Vedran Mrzljak, Sebastijan Blažević, Nikola Anđelić and Zlatan Car	EXHAUST GAS EMISSIONS FROM TURBOCHARGED DIRECT INJECTION DIESEL ENGINE DURING THE FUEL MASS FLOW VARIATION
14:30 - 14:50	Raghu Echempati and Viraj Dave	THERMAL, STRUCTURAL AND VIBRATION ANALYSIS OF TURBO CHARGER MOUNT
14:50 - 15:10	Abdullatif Gari	2-D PARAMETRIC STUDY FOR A PIPE WITH HEAT GENERATION AND OUTER INSULATION EXPOSED TO INNER AND OUTER CONVECTION BOUNDARY CONDITIONS
15:10 - 15:30	J. Svoboda , J. Kudláček and V. Kreibich	PRE-TREATMENT OF HOT-GALVANIZED MATERIAL USING Ti-Zr TECHNOLOGY AND ORGANOSILANES
15:30 - 15:50	Szabolcs Szentesi, Béla Illés and Péter Tamás	CONSIGNMENT SELLER DIETARY SUPPLEMENT MANUFACTURING COMPANIES' LOGISTICS SYSTEM DEVELOPMENT OPPORTUNITIES IN THE 4TH INDUSTRIAL REVOLUTION, FROM PROCUREMENT TO DISTRIBUTION
15:50 - 16:20	COFFE BREAK	

20:00	GALA DINNER

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10:50 - 11:10	Anubha Parashar, Apoorva Parashar and Rajveer Singh Shekhawat	TRACING GESTURE AND EXTRACTING GAIT FEATURE TO RECOGNIZE HUMAN USING DEEP LEARNING
11:10 - 11:30	Steven Biemer, Shahram Sarkani and Thomas Mazzuchi	A MODEL-BASED REQUIREMENTS ENGINEERING FRAMEWORK FOR IDENTIFYING AND VERIFYING HEALTHCARE DELIVERY REQUIREMENTS
11:30 - 11:50	Lajos Nagy	INDOOR RADIO NETWORK OPTIMIZATION USING HEURISTIC METHODS
11:50 - 12:10	Mateo Brnić, Emanuel Čondrić, Sebastijan Blažević, Nikola Anđelić, Emanuel Borović and Zlatan Car	SEPSIS PREDICTION USING ARTIFICIAL INTELLIGENCE ALGORITHMS
12:10 - 12:30	Korino Bogović, Ivan Lorencin, Nikola Anđelić, Josip Španjol, Sebastijan Blažević and Zlatan Car	ARTIFICIAL INTELLIGENCE-BASED METHOD FOR URINARY BLADDER CANCER DIAGNOSTIC
12:30 - 14:10	**LUNCH**	
14:10 - 14:30	Murat Selek, Fatih Başçiftçi and Serkan Örücü	DESIGN OF A WIRELESS MULTI-CHANNEL SURFACE EMG SYSTEM AND COMPARISON ON MVC NORMALIZATION
14:30 - 14:50	Shekofa Ghoury and Fatih Basciftci	A DIFFERENT APPROACH ON CHARACTER CLASSIFICATION
14:50 - 15:10	Nikola Anđelić, Sebastijan Blažević and Zlatan Car	TRAJECTORY PLANNING USING GENETIC ALGORITHM FOR THREE JOINTS ROBOT MANIPULATOR
15:10 - 15:30	Adam Schiffer, Zoltan Sari, Ildiko Jancskar, Geza Varady and Peter Müller	AUTONOMOUS TARGET TRACKING WITH AR.DRONE
15:30 - 15:50	Daniel Cosovanu and Dan Mandru	EXPERIMENTAL STUDY OF THE TIME-RESPONSE OF A SOFT ACTUATOR BASED ON SMA WIRE
15:50 - 16:20	**COFFE BREAK**	

20:00	**GALA DINNER**

MAIN HALL, 7. September 2018

INVITED LECTURES		
8:45 - 9:05	Dubravko Frankovic, Boris Rosanda, Alen Jakoplic and Vedran Kirincic	POWER SUPPLY SYSTEM FOR RAILWAY APPLICATIONS

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9:10 - 9:30	Cho Sang Hyun	DEVELOPMENT OF REMOTE APPLICATION LAUNCHING METHOD UNDER VARIOUS WEB BROWSERS FOR CAE CLOUD COMPUTING PLATFORM
9:30 - 9:50	Vedran Kirincic, Dubravko Frankovic, Dusko Radulovic and Alen Jakoplic	TOWARDS A LOW-CARBON ISLAND SOCIETY BY STRONG IMPLEMENTATION OF ELECTROMOBILITY
9:50 - 10:10	Juraj Brenkus	NON-ISOLATED AC/DC ENERGY CONVERTER FOR SMART GRID SENSOR NODES
10:10 – 10:30	Alen Jakoplic, Dubravko Frankovic, Vedran Kirincic and Ingrid Sterpin	SHORT-TERM SOLAR FORECASTING BASED ON SKY IMAGES TO ENABLE PV INTEGRATION
10:30 – 10:50	COFFE BREAK	
10:50 - 11:20	Cho Sang Hyun	STATE OF PUBLIC CLOUD COMPUTING PLATFORM OF CAE TECHNOLOGIES FOR SMES IN SOUTH KOREA
11:20 - 11:40	Bojan Perić, Aleksandar Simonović, Slobodan Stupar, Toni Ivanov, Miloš Vorkapić, Jelena Svocan and Ognjen Peković	NUMERICAL ANALYSIS OF STAINLESS STEEL DIAPHRAGM FOR LOW PRESSURE MEASUREMENT
11:40 - 12:00	L. Strogonova , A. Sorokin , Y. Vasin	AIR ENVIRONMENT OF MANNED SPACE STATIONS (EQUIPMENT, QUALITY)
12:00 - 12:20	Gordana Zeba, Mirjana Cicak and Marina Dabic	ENTERPRISE RESOURCE PLANNING SYSTEMS IN THE CONTEXT OF INDUSTRY 4.0
12:20 - 14:00	**LUNCH**	
14:00 – 14:30	**CLOSING CEREMONY**	

Poster Section, 2018

Tin Matulja, Marko Hadjina and Damir Edward Katkhuda	SHIP SURFACE PRE-PAINTING PROCESS SELECTION TOWARDS ENVIRONMENTAL PROTECTION BASED ON AHP METHOD
João Galvão, Fernando Cardoso, João Marques, Adelino Nabais and Rita Ascenso	GREEN ENERGY FOR INDUSTRIAL PURPOSES - GEIP
Wonsik Lee, Jin Man Jang and Yong-Dae Kim	DEGRADATION OF FEEDSTOCK FOR METAL INJECTION MOLDING
Peter Trebuna, Jozef Trojan and Peter Frankovsky	CAPACITIVE INCREASE IN SUNROOFS PRODUCTION FOR THE BMW BRAND
Irena Bates, Ivana Plazonić, Željka Barbarić-Mikočević and Vesna Džimbeg Malčić	STUDY OF APPROPRIATE INK TRAPPING METHODS ON NON-ABSORBENT PRINTING SUBSTRATE
Sung Cheol Park, Jin Yeon Lee, Yeon Jae Jung, Man Seung Lee and Seong Ho Son	STUDY ON THE DECOMPOSITION CHARACTERISTICS OF ORGANIC ADDITIVES AND DURABILITY IN DIMENSIONALLY STABLE ELECTRODE OF BINARY AND TERNARY ALLOYS FROM Ir-Ta-Pt SYSTEM
Peter Frankovský, Ingrid Delyová, Peter Trebuňa, Michal Kicko and Jozef Trojan	ASSESSMENT OF THE RESIDUAL LIFE OF EXISTING STRUCTURES
Stefan Dahlke, Bernhard Saske and Ralph Stelzer	RENDERING OF ENGINEERING DATA IN IMMERSIVE ROOMS USING A GPU CLUSTER
Tamás Ibriksz and Ferenc Tancsics	EXPERIENCES BASED ON DIRECT QUENCHING AND SELF-TEMPERING OF FORGED STRUCTURAL STEELS
João Ramos, João Galvão and Luis Almeida	VENTILATED CERAMIC TILE ROOF IN MEDITERRANEAN CLIMATE: HEAT AND MASS TRANSFER EXPERIMENTAL ANALYSIS
Andrea Rosova, Martin Straka and Samer Khouri	THE EFFICIENCY IMPROVE OF FIRECLAY BRICKS PRODUCTION
Zdeněk Hazdra and Viktor Kreibich	RENOVATION TECHNOLOGY OF CYLINDER LINERS IN COMBUSTION ENGINE
Hanka Hrdinová and Viktor Kreibich	HYDROGEN EMBRITTLEMENT DURING SURFACE TREATMENT
Jiří Kuchař, Viktor Kreibich and jiří Kinkor	STUDY AND MAINTENANCE OF INTERIOR SURFACES OF THE ENERGY EQUIPMENTS
Zuzana Tatíčková, Jan Kudláček and Jakub Heller	INTERACTIVE THERMOSENSITIVE PAINTING SYSTEMS FOR SAFETY PURPOSES
Michal Zoubek, Jan Kudláček, Viktor Kreibich, Jarmila Vlasáková, Andrej Zasimenko and Zlatan Car	THE INFLUENCE OF MIXING ON FUNCTIONAL PROPERTIES OF CONDUCTIVE ANTI-STATIC COATINGS
Petr Drašnar, Michal Zoubek, Jiří Havel, Petr Hlavín a Patrik Mackerle	CONSTRUCTION PROGRESS IN CONTACTLESS DETECTION OF CONTAMINANTS BY UV-VIS SPECTROSCOPY
Branko Neral, Vera Vivod, Aleš Mihelič and Vanja Kokol	NANOCELLULOSE FOR REMOVAL OF LOOSE DYES AND IMPURITIES DURING A HOUSEHOLD COLD LAUNDERING