“IMT Oradea” - 2019 STUDENTS

PROGRAM of CONFERENCE

May 30th – 31th
Felix SPA, Oradea ROMÂNIA
PROGRAM
of
CONFERENCE

Thursday, 30th May 2019

1000-1300 Registration
1300-1400 Lunch
1500-1900 Plenary Session
2000-2400 Dinner

Friday, 31th May 2019

900-1100 Posters Presentation
1130-1400 Works on Sections
1400-1500 Lunch
PROGRAM of CONFERENCE

“IMT Oradea” – 2019 STUDENTS

Thursday, May 30th, 2019
Hotel President, Room 1

Chairman prof. dr. ing. Tiberiu VESSELENYI

1740-1755

M Zöldy, S Szalay, Z Szalay and I Zsombók
Budapest University of Technology and Economics, Hungary
REFUELLING STRATEGIES OF AUTONOMOUS HYBRID VEHICLES

1755-1810

G Hegyi, T I Erdei and G Husi
University of Debrecen, Hungary
RESTORATION AND PLC CONTROL OF A ROBOT CELL COMPATIBLE MP-11 INDUSTRIAL MANIPULATOR PLATFORM

1810-1825

P P Horváth, T I Erdei and G Husi
University of Debrecen, Hungary
RESTORATION AND PLC CONTROL OF A MATERIAL HANDLING MP-9S INDUSTRIAL MANIPULATOR PLATFORM

1825-1840

T Pajkos, T I Erdei and G Husi
University of Debrecen, Hungary
CODESYS MODELING OF AN INDUSTRIAL CELL, AND LINEAR DRIVE CONTROL WITH PLC &ATMEGA2560 MICROCONTROLLERS FOR TESTING AND IMPROVEMENT PURPOSES

1840-1855

R Varga, T I Erdei and G Husi
University of Debrecen, Hungary
CODESYS BASED HMI DESIGN AND SENSOR UPGRADES FOR A PLC AND ATMEGA2560 CONTROLLED INDUSTRIAL CONVEYOR

1855-1910

Zs Molnár¹, G E Cascio², G Husi¹ and E G Szűcs¹
¹University of Debrecen, Hungary
²The George Washington University, Washington, USA
DEVELOPING A REAL-TIME ACCURACY MONITORING SYSTEM FOR
INDUSTRIAL ROBOT ARMS BASED ON LEAN PRINCIPLES

1910-1925

A N Nasser, A Alsabbagh and H Géza
Debrecen University, Hungary
THE EFFECT OF CHANGING TRAINING DATA ON A FIXED DEEP LEARNING DETECTION MODEL

1925-1940

A Alsabbagh, A N Nasser and G Husi
University of Debrecen, Hungary
PYTHON-BASED DATA ANALYSIS TOOL FOR A 6-DOF INDUSTRIAL ROBOT

1940-2000

A Alsebai and S Afghan
University of Debrecen, Hungary
DESIGNING AND IMPLEMENTING CONTROL PANEL FOR DIESEL GENERATOR

2030

FRIENDLY DINNER
POSTERS SECTION

Friday, May 31st, 2019
Hotel President, Room 1
Chairman
Prof. dr. ing. Florin Sandu BLAGA

9:00-11:00

BÎTE Simona, CONDRE Roxana, JURGE Valentina and DAN Ovidiu
University of Oradea, Romania
STUDY ON THE USE OF THE FACEBOOK NETWORK BY STUDENTS OF THE
FACULTY OF MANAGERIAL AND TECHNOLOGICAL ENGINEERING ORADEA
Coordinator: conf. dr. ec. POP Delia

SIMON Andreea, BODOG Bianca, CHIS Razvan and BERKE Bogdan
University of Oradea, Romania
ANALYSIS OF THE EVOLUTION OF THE FACEBOOK PAGE INDICATORS OF
THE FACULTY OF MANAGERIAL AND TECHNOLOGICAL ENGINEERING
ORADEA
Coordinator: conf. dr. ec. POP Delia

VERES Ralph and FEIER Bianca-Cristina
University of Oradea, Romania
RAPID PROTOTYPING AS AN AID IN MEDICINE
Coordinators: prof. dr. ing. STĂNĂȘEL Iulian and conf. dr. ing. BUIDOȘ Traian

MUHA Ioan – Bogdan
University of Oradea, Romania
DESIGNING AND MANUFACTURING OF A CARBIDE T-SLOT MILLING CUTTER
Coordinators: prof. dr. ing. STĂNĂȘEL Iulian and conf. dr. ing. BUIDOȘ Traian

STĂNĂȘEL Caius
University of Oradea, Romania
FACTORS WHICH CONTRIBUTE TO THE DEGRADATION OF STEEL S235
EXPOSED IN A CORROSIVE ENVIRONMENT
Coordinators: prof. dr. ing. BADEA Gabriela, conf. dr. ing. MOGA Ioan and conf.
dr. ing. BUIDOȘ Traian

STRANIS Paul-Mirel
University of Oradea, Romania
EXOSKELETONS INDUSTRY
Coordinator: prof. dr. ing. STĂNĂȘEL Iulian

NICORUȚ Sorin Ovidiu
University of Oradea, Romania
REVERSE ENGINEERING: CASE STUDY - AIRCRAFT PROPELLER
Coordinator: prof. dr. ing. PELE Alexandru- Viorel

KARCZIS Anamaria
University of Oradea, Romania
PROJECT MANAGEMENT ASSIMILATION OF COUPLING PRODUCT
Coordinator: prof. dr. ing. BLAGA FLORIN- SANDU
MECHATRONICS and ROBOTICS
Friday, May 31st, 2019
Hotel President, Room 2
Chairman
Conf. dr. ing. Sorin PATER

10^{00}-10^{20}

I A Tătulea, C N Drugă
Transylvania University of Brașov, Romania
ANALYSIS OF THE MOVEMENT OF AN EXOSKELETON FOR THE UPPER LIMB

10^{20}-10^{40}

I A Tătulea, C N Drugă, I Șerban
Transylvania University of Brașov, Romania
MECHANICAL DESIGN AND 3D PRINTING PROCESS OF AN EXOSKELETON
USED FOR ELBOW JOINT REHABILITATION

11^{15}-11^{30}

D I Țarcă, L Csokmai, O Moldovan, R Ghincu and D Potroviță
University of Oradea, Romania
EXPERIMENTAL DATA COLLECTION SYSTEM FOR READING PRESSURE
LEVELS IN A VACUUM ENVIRONMENT
SECTION 3

MACHINES ENGINEERING and TECHNOLOGIES

Friday, May 31st, 2019
Hotel President, Room 3
Chairman
Prof.dr-ing. Florin Sandu BLAGA

11\textsuperscript{15}-11\textsuperscript{30}  D C Negrău, G Grebenișan and T Vesselenyi
University of Oradea, Romania
THEORETICAL BASES AND STUDY PARAMETERS WITH FEA APPLICATION APPROACH ON A BENDING TOOL DESIGN

11\textsuperscript{30}-11\textsuperscript{45}  D C Negrău, G Grebenișan and C Gherghea
University of Oradea, Romania
AN OPTIMIZATION APPROACH BY FINITE ELEMENT ANALYSIS, USING DESIGN OF EXPERIMENTS AND RESPONSE SURFACES - A SURVEY

12\textsuperscript{45}-13\textsuperscript{00}  F G Marian and G Grebenișan
University of Oradea, Romania
PARAMETERIZED OPTIMIZATION ANALYSIS WITH FINITE ELEMENTS, USING ANSYS®, OF A REFERENCE POINT UNDER A TORQUE ACTION

13\textsuperscript{00}-13\textsuperscript{15}  I Tamașag, D Amarandei and I Beșliu
Ștefan cel Mare University Suceava, Romania
DESIGN OF A DEVICE FOR TESTING AND ANALYZING THE FRICTION COEFFICIENT DURING METAL CUTTING

13\textsuperscript{15}-13\textsuperscript{30}  C I Indre\textsuperscript{1,2}, F S Blaga\textsuperscript{1} and C Miculaș\textsuperscript{2}
\textsuperscript{1}University of Oradea, Romania
\textsuperscript{2}SC.Faist Mekatronic.SRL, Oradea, Romania
RESEARCH ON DESIGNING A MANUFACTURING CELL FOR THE DISK LIMITER