

YOUng ResearcherS Conference 2020

YOURS 2020

September 28, 2020 - Online Google Meet

YOURS 2020 supports young researchers and their results in its broadest sense by highlighting the presentation of new trends and research and promoting innovative practices that advance academic achievements. This year's conference topics are dedicated to

***Methods, policies and technologies in technical sciences, materials,
Energy, energy efficiency, environment, industrial engineering, traffic and transportation,
civil engineering, quality management and other related sciences***

YOURS 2020 promotes the presentation of new trends, advances and research in all mentioned areas bringing together prosperous researchers with leading professionals, academicians, universities, industry experts from around the region.

10:00-10:30 – CONFERENCE OPENING

Prof. dr Gradimir Danon, Editor in Chief
JOURNAL OF APPLIED ENGINEERING SCIENCES

10:30-11:30 - PAPER PRESENTATION - SESSION 1

Djordje Jovanović, Branislav Milenković, Mladen Krstić
APPLICATION OF GRASSHOPPER OPTIMIZATION ALGORITHM IN MECHANICAL ENGINEERING

Tijana Djukic, Igor Saveljic, Gualtiero Pelosi, Oberdan Parodi, Nenad Filipovic
IMPROVED NUMERICAL MODEL OF THE ARTERIAL WALL APPLIED FOR SIMULATIONS OF STENT DEPLOYMENT WITHIN PATIENT-SPECIFIC CORONARY ARTERIES

Tamara Matić, Maja Ležaja Zebić, Vesna Miletić, Rada Petrović, Đorđe Janačković, Đorđe Veljović
BONDING ABILITY OF MAGNESIUM DOPED HYDROXYAPATITE BASED INSERT WITH CLEARFIL DENTAL ADHESIVE

Nikola Andrijević, Višnja Simić, Miloš Ivanović
EFFICIENT LARGE-SCALE OPTIMIZATION IN THE CONTAINERIZED ENVIRONMENT FOOTPRINT

Lazar Krstić, Boban Stojanović, Miloš Ivanović
GENETIC ALGORITHM OPTIMIZATION OF THE ARTIFICIAL NEURAL NETWORK ENSEMBLES

Goran R. Petrović, Milan R. Ristanović, Goran Memon, Dragan V. Lazić, Radoslav D. Radulović
EXPERIMENT PLANNING FOR PRELIMINARY ASSESSMENT OF THE MATHEMATICAL MODEL OF AN UNPOWERED AIR GLIDER BOMB

11:30-12:30 - PAPER PRESENTATION - SESSION 2

Ivana Mikavica, Dragana Ranđelović, Vladan Đorđević, Gordana Gajić, Jelena Mutić
ORCHID SPECIES ANACAMPTIS MORIO AS A POTENTIAL BIOREMEDIATOR OF AS, CD AND PB

Ana Vranić, Marija Mitrović Dankulov
THE INFLUENCE OF LONG-RANGE CORRELATED GROWTH SIGNALSON THE EVOLVING COMPLEX NETWORK STRUCTURES

Marina S. Blagojev, Rudolf A. Tomanec, Slavica R. Mihajlović, Miroslav D. Sokić, Slavomír Hredzák
TOPSIS MULTI-CRITERIA DECISION MAKING METHOD FOR PELLETIZED FLY ASH PARAMETERS SELECTION

Anđela Blagojević, Tijana Šušteršič, Nenad Filipović
AUTOMATIC SEGMENTATION OF LUNGS WITH PNEUMONIA IN X-RAY IMAGES OF PATIENTS WITH COVID-19

Mladen Bugarčić, Dragana Milošević, Milica Spasojević, Dunja Marunkić, Jovanka Kovačina, Milan Milivojević
ADJUSTING PH PZC VALUE DURING AND AFTER ADSORBENT PREPARATION

Miloš Maljković, Branko Miličić, Milena Žunjić, Ivan Blagojević
METHOD FOR ACQUISITION AND ANALYSIS OF OPERATING PARAMETERS OF A SUPERCAPACITOR ELECTRIC BUS

12:30-13:30 - PAPER PRESENTATION - SESSION 3

Tatjana Taušanović, Marijana Apić, Nataša Stojić, Mira Pucarević
COMPARISON OF STANDARD, SLIM AND ROLL-YOUR-OWN CIGARETTES BY MEASURING LEVELS OF POLYCYCLIC AROMATIC HYDROCARBONS (PAHs) IN MAINSTREAM CIGARETTE SMOKE WITH GAS CHROMATOGRAPHY–MASS SPECTROMETRY

Katarina Pavlović
PREDICTING THE TYPE OF PHYSICAL ACTIVITY FROM TRI-AXIAL SMARTPHONE ACCELEROMETER DATA

Aleksandra Arsić, Nenad Zrnić, Vlada Gašić
SOME ASPECTS ON THE DESIGN APPROACHES FOR BOLTED MOMENT CONNECTIONS IN FRAMES

Marija Milivojević, Željko Radovanović, Rada Petrović, Đorđe Janačković
DIP-COATING OF THE BIOACTIVE GLASS AND HYDROXYAPATITE ON 3D PRINTED Ti6Al4V SCAFFOLD FOR BONE TISSUE ENGINEERING

Miloš Đorđević, Vesna Paunović, Danijel Danković, Branislav Jovičić
SMART AUTONOMOUS AGRICULTURAL SYSTEM FOR IMPROVING YIELDS IN GREENHOUSE BASED ON SENSOR AND IoT TECHNOLOGY

Zoran Brljak, Jelena Ješić, Zlatica Miladinov
DIGITAL AGRICULTURE AS A FACTOR OF ENERGY EFFICIENCY AND ENVIRONMENTAL PROTECTION

13:30-14:20 - PAPER PRESENTATION - SESSION 4

Branislav Đorđević, Saša Mitić
AN OVERVIEW OF NATIONAL AND INTERNATIONAL STANDARDS FOR EVENT DATA RECORDERS (EDRs) ON MOTOR VEHICLES

Lidija Jelić, Nikola Jović, Vladimir Milovanović, Miroslav Živković, Jelena Živković
REVIEW, SYSTEMATIZATION AND APPLICATION OF THE STANDARDS FOR ASSESSMENT OF STATIC AND FATIGUE STRENGTH OF METAL CRANE STRUCTURES

Nikola Đokić, Borislava Blagojević, Vladislava Mihailović
MISSING DATA REPRESENTATION BY PERCEPTION THRESHOLDS IN FLOOD FLOW FREQUENCY ASSESSMENT

Nikola Mitrović, Danijel Danković, Zoran Prijić, Ninoslav Stojadinović
MODELING OF NBTI DEGRADATION IN P-CHANNEL VDMOSFETS

Vladimir M. Milenković, Vojkan D. Jovanović, Branimir Č. Stanić
PROBABILITY OF HAZARD INITIATION IN INCIDENT SITUATIONS WITH VEHICLES TRANSPORTING DANGEROUS GOODS BY ROAD – CASE STUDY: CITY OF BELGRADE

14:20-14:30 CONFERENCE CLOSING