



# ICENS

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**7TH INTERNATIONAL CONFERENCE ON  
ENGINEERING AND NATURAL SCIENCES**

**PROGRAM SCHEDULE**

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June 24, 2021

## ICENS 2021 Presentation Schedule - JUNE 24, 2021

09:00 Opening Speech

### A-1. Session Chairman: Abdelwahab Tahsin

09:10 2481 - Simulation of Streamflow Using SWAT Model - Erkan Karakoyun, Nihat Kaya

09:20 2483 - Comparison of different stress-based methods for estimating liquefaction potential: A case study of a multi-story building in İzmir, Turkey - Tümay Kadakci Koca

09:30 2487 - Towards High Precision Satellite Based Real Time Positioning with Trimble RTX Service - Omer Faruk Atiz, ABBAS QADER SHAKOR, SALIH ALCAY, Sermet Ogutcu

09:40 2499 - DERIVATION OF MECHANICAL PROPERTIES OF POLYESTER GEOGRIDS USING CONSTANT STAIN RATE LOADING TEST - Abdelwahab Tahsin, Rami El-Sherbiny

09:50 2482 - Determination of Watershed Features Using Geographic Information System (GIS) - Erkan Karakoyun, Nihat Kaya

10:00 2501 - The Developed FEA-Based Program for Planar Static Analysis with a Special 12x12 Rectangular Element - Ragıb Sabah, Barış Sayın

10:10 2488 - Performance Analysis of Long Baseline GPS RTK - OMER FARUK ATIZ, SERMET OGUZCU, SALIH ALCAY

10:20 2505 - The Effect of Randomly Distributed Discrete Fiber on Shear Band Formation of Clean Sand Soil - Türker GÜLER

10:30 2490 - Experimental Results and Analysis of Structural Monitoring Using GNSS and Other Positioning Techniques - Hüseyin Pehlivan

10:40 2502 - The Developed FEA-Based Program for Planar Dynamic Analysis with a Special 12x12 Rectangular Element - Ragıb Sabah, Barış Sayın

10:50 2495 - 5G Technology and Age of Machines - Fatih Topaloğlu

11:00 2498 - Autonomous Network Management in Software Defined Networks - Recep Ibiloglu, Arif KOYUN

### A-2. Session Chairman: Sergey Borisenok

11:30 2450 - Detection of Micron-Scale Particles on Optical Surfaces by Photothermal Method - Semih YURTSEVEN, PERVİN TÜZÜN, FİKRET YILDIZ, Hümbet NASİBLİ

11:40 2506 - The binding energy of hydrogenic shallow-donor impurity in an anharmonic quantum well: Role of applied external electric and magnetic field - Aslan Turkoglu

11:50 2480 - Non-classical Algorithm to Control Epileptiform Regime in the Small Population of Hodgkin-Huxley Neurons - Sergey Borisenok

12:00 2452 - Electronic Defects Related to Instability of Methylammonium Lead Iodide Films - Gokhan YILMAZ

12:10 2451 - On The Calibration of Diffraction Grating Based Monochromators - Semih YURTSEVEN, ELİF ASENA ÖZER, Mevlüt KARABULUT, Hümbet NASİBLİ

12:20 2479 - Control Algorithms for Bosonic Quantum Batteries: Parallel versus Collective Charging - Control Algorithms for Bosonic Quantum Batteries: Parallel versus Collective Charging - Sergey Borisenok

12:30 2452 - Electronic Defects Related to Instability of Methylammonium Lead Iodide Films - Gokhan YILMAZ

12:40 2485 - Geo-electrical characteristics of the Erecek-Çanakkale region - Petek Sındırgı

12:50 2478 - DETERMINATION OF KOHLBERG'S MORAL DEVELOPMENT STAGES AND CHRONOLOGICAL AGE - Kushtrim Ahmeti, Ibrahim Neziri,

### **A-3. Session Chairman: Abdelwahab Tahsin**

13:30 2455 - Asialoglycoprotein Receptor Targeted Magnetic Nanoparticles For Hepatocellular Carcinoma Treatment - Tuğba Karakayalı, Ayça Erek, Güliz Ak, Şenay Şanlıer

13:40 2460 - Targeted Dual Therapy with Curcumin Encapsulated Liposomes For Treatment of Glioblastoma - Belgüzar KARADAĞ, Güliz AK, Tuğba Karakayalı, Barış Gümüştaş, Gülçe Danacı Özmen, Şenay Şanlıer

13:50 2500 - PREDICTION OF LONG-TERM MODULUS, AND CORRELATION OF LOCAL TO GLOBAL STRAIN FOR POLYESTER GEOGRIDS UNDER SERVICES LOADING - Abdelwahab Tahsin, Rami El-Sherbiny

14:00 2456 - Investigation of the Potential In Vitro Usage of Asialoglycoprotein Receptor Targeted Magnetic Nanoparticles for Hepatocellular Carcinoma - Ayça Erek, Tuğba Karakayalı, Güliz Ak, Latife Merve Oktay, Nur Selvi Günel, Şenay Hamarat Şanlıer

14:10 2461 - Structural Properties of Nano CdO/NiO composite thin films prepared by sol-gel spin coating technique - Ezgi GURGENC, Aydın DİKİCİ, Fehmi Aslan

14:20 2467 - Numerical investigation of natural convection heat transfer of nanofluids in a square cavity - Abdelmalik BOUCHOUCHA, Rachid Bessaïh, Abdelfettah BOUSSAID

14:30 2504 - Synthesis and Characterization of Sr-doped NiO Nanoparticles Synthesized by Hydrothermal Method - Ezgi GURGENC, Aydın DİKİCİ, Medeni Sömer

14:40 2431 - DESIGNING A NEW INDUSTRIAL DISHWASHER WITH INNOVATIVE DRYING SYSTEM FOR ENERGY AND CLEANING CHEMICAL SAVING - Zafer Kahraman, Murat Hacı, SONER GURCU, HAKAN SERHAD SOYHAN

14:50 2489 - A New Filtering and Analysis Approach for Poor Quality GNSS Data - Hüseyin Pehlivan, BARIŞ KARADENİZ

15:00 2432 - DEVELOPMENT OF THE INNOVATIVE BLOOD STORAGE REFRIGERATOR PROTOTYPE THAT PROVIDES SAFETY REQUIREMENTS FOR THE MEDICAL SECTOR IN ACCORDANCE WITH ATEX DIRECTIVE - Zafer Kahraman, Murat Hacı, BARIŞ TASKIRAN, HAKAN SERHAD SOYHAN

### **A-4. Session Chairman: Arianit Reka**

15:30 2486 - The effects of limiting factors on the biodegradation of organic matter in municipal wastewater - Baloyi Molebogeng, van der Merwe-Botha Marlene, Mpenyana-Monyatsi Lizzy,

15:40 2507 - A Novel Method for Segmentation of Benthic Foraminifera Inner Morphology on The Thin Section Photos - Kubra OKUR, Ugur Yayan, Abdullah Taha Arslan, Hikmet Yuçel

15:50 2436 - Time dependent microgravity data analysis of the 30th October 2020 Samos earthquake - OYA PAMUKÇU, AYÇA ÇIRMIK, Fikret Doğru

16:00 2429 - HYDROTHERMAL SYNTHESIS OF POROUS LIGHTWEIGHT MATERIALS FROM CLAYEY DIATOMITE - Arianit Reka, Blagoja Pavlovski, Petre Makreski

16:10 2491 - POLLUTION OF SAND RIVER CATCHMENT WATER RESOURCE BY WASTEWATER TREATMENT WORKS IN THE BUSHBUCKRIDGE LOCAL MUNICIPALITY, MPUMALANGA - Masindi Thivhionali Kenneth, Lizzy Mpenyana-Monyatsi

16:20 2437 - Preliminary Evaluations of Microgravity data of Datca Peninsula - Ayça ÇIRMIK, Oya Pamukçu, Fatih Uysal

16:30 2448 - Reference Sources for Calibration of Forehead Thermometers - Hümbet NASİBLİ, Mehtap CAN, Yasin Kişioğlu

16:40 2484 - Hazelnut Shell Valorization: a design study on biocomposite surgical mesh - Emre ÖZCOŞKUN, Muhammed Ali Surucu, Üzeyir Arslan, Ahmet Buğra Özdemir, Evren Altıok

16:50 2453 - Taxidermy effluent characterisation: A case study in the City of Tshwane - Anoesjka Masilela, Martie AA Coetzee, Lizzy Monyatsi,

17:00 2473 - Evaluation of a novel bio-waste obtained from sawdust as an adsorbent for removal of Pyronin B Dye - Mehmet KAYA

#### **A-5. Session Chairman: WALEED KHALED ABDULRAZAQ**

17:30 2440 - Validation of QuEChERS Method for the Analyses of Chlorpyrifos-methyl, Lambda-cyhalothrin, Tebuconazole Residues in Grapes - Ayşegül DUMAN, Osman Tiryaki

17:40 2444 - The importance of successive or double agricultural crops in south-eastern of Romania, in the climatic change perspective - Daniela Trifan, EMANUELA LUNGU, Alin Ionel Ghiorghe, Nicolae Popescu, George Toader, Valentin Bardahan

17:50 2441 - Removal of Some Pesticide Residues From Grapes and Peppers by Different Washing Treatments - Osman Tiryaki, Burak Polat

18:00 2454 - The transition of Romanian agriculture: from traditional agriculture to a digital, and sustainable agriculture - Daniela Trifan, George TOADER, Emanuela Lungu, Alin Ionel Ghiorghe, Cătălin-Ioan ENEA, Leonard ILIE

18:10 2447 - Fever Detection from Human Thermal Images with Deep Learning Methods - Hümbet NASİBLİ, Ayşen Özün Türkçetin, Mustafa Onurcan ŞAHAN

18:20 2477 - A Case Study Approach for Course Quality Management using Student Evaluation of Teaching - AQIM ILJAZI, Agon Memeti

18:30 2446 - SPARSE MATRIX CONVERTER MODELLING AND SIMULATION - WALEED KHALED ABDULRAZAQ, Ahmet Mete Vural

18:40 2492 - Electromagnetic design and optimization of pmsm for fly-gen type airborne wind energy systems - Esra ÇELİK, Muhammet Garip

#### **Poster Presentations**

19:00 2496 - Prevalence of *Serratia marcescens* in *Frankliniella occidentalis* (Pergande) (Thysanoptera: Thripidae) Populations in Turkey - Sumeyye Bayram, Naciye Sena Çağatay, Ali Ferhan MORCA, NURPER GUZ,

19:10 2497 - Prevalence of *Wolbachia* in *Culex pipiens* populations in Turkey - Naciye Sena Çağatay, Nurper Guz,

19:20 2449 - Does today's Maintenance Organization need to be reinvented? - Uwe Bussmann, Rudolf Jerrentrup,

19:30 2493 - The impact of Artificial Intelligence on Tracing and Disseminating Fake News - Florinda Imeri, Alit Ibraimi, Flamure Sadiki

19:40 2494 - DEVELOPING APPLICATIONS FOR ELECTRICITY RECOGNITION OPPORTUNITY FOR CALCULATION OF SPEED PARAMETERS THROUGH MOBILE EQUIPMENT - Florim Idrizi, Florinda Imeri, Agon Memeti

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