



ENGINEERING SCIENCE AND TECHNOLOGY- ORAL PRESENTATION PROGRAM

26 August 2019

Opening Session – The Conference Hall- University of Prizren

09:00-10:30 Registration

10:30-12:00 Opening Ceremony

26 August 2019 Session 1 – Room 1

Session Chair: Dr. Iwona Klosok-Bazan

13:30-13:45	ICONST-130	Information Technology Innovations in the role of Human Resource Management in Kosovo Telecom <i>Festim Halili, Gani Haxhijaj, Berat Jashari</i>
13:45-14:00	ICONST-139	Comparison Of Algorithms And Technologies 2G, 3G, 4G AND 5G <i>Ramiye Zeqiri, Florim Idrizi</i>
14:00-14:15	ICONST-146	Raising learning outcomes through interactive workshops in the classroom <i>Arjana Zhubi</i>
14:15-14:30	ICONST-220	Luteinizing Hormone Detection with Poly (Methyl Methacrylate) Microchip Based on Surface-Enhanced Raman Spectroscopy <i>Belma Gjergjizi Nalbani</i>
14:30-14:45	ICONST-241	Temporal classification of the fine particle air pollution by multivariate methods <i>Virgjina Lipoveci, Mirjana Ćurlin</i>
14:45-15:00	ICONST-197	What Kind of Development for the coastal towns of Montenegro <i>Enrico Pietrogrande, Andreina Milan</i>
15:00-15:15	ICONST-326	Economic Analysis Of Three Hydropower Plants Built In The Brod River, In Dragash, From Investor Prespective <i>Rexhep Selimaj, Sabrije Osmanaj</i>
15:00-15:30		Coffee Break



ENGINEERING SCIENCE AND TECHNOLOGY- ORAL PRESENTATION PROGRAM

26 August 2019 Session 2 – Room 1

Chair: Dr. Melike İşgören

15:30-15:45	ICONST-279	Analysis of the Monolithic Columns Produced in Troad and Mysia Region Ancient Granite Quarries in North-Western Anatolia via the Histograms of the Hand Specimen Images <i>Serdar Enginoğlu, Uğur Erkan, Murat Ay, Veysel Tolun</i>
15:45-16:00	ICONST-283	A Data Classification Method in Machine Learning via Fuzzy Parameterized Fuzzy Soft Matrices <i>Samet Memiş, Serdar Enginoğlu</i>
16:00-16:15	ICONST-156	Wheat Grain Analysis with Deep Learning <i>Yüksel Çelik, Abdurrahman Palali</i>
16:15-16:30	ICONST-164	Büyük Veri Analiz Yöntemleri <i>Hüseyin Eldem, Ayşe Eldem</i>
16:45-17:00	ICONST-165	Technologies Used By Visually Impaired Individuals <i>Ayşe Eldem, Hüseyin Eldem</i>
17:15-17:30	ICONST-217	Modeling of the Adsorption Process of Industrial Laundry Wastewaters with the Sunflower Seeds-Pyrrole-FeCl ₃ Composite <i>Sevil Veli, Melike Isgoren, Ayla Arslan, Eylem Topkaya, Çisil Gülümser, Hatice Kurtkulak, Şehriban Zeybek, Sibel Zor, Anatoli Dimoglo</i>

26 August 2019 Session 1 – Room 2

Session Chair: Dr. Izabela Zibmoch

13:30-13:45	ICONST-151	A complementary analysis of the porous structure of activated carbons obtained from biomass <i>Miroslaw Kwiatkowski, Dimitrios Kalderis</i>
13:45-14:00	ICONST-254	Air emissions from polluting sources and their effects on health <i>Vehebi Sofiu</i>
14:00-14:15	ICONST-228	Losses of public space in Prishtina in the context of urban development <i>Burbuqe Hydaverdi</i>
14:15-14:30	ICONST-230	Improving the energy efficiency of public buildings in Kosovo <i>Arta Sylejmani, Bojan Milovanovic</i>
14:30-14:45	ICONST-248	What Kind of Development for the coastal towns of Montenegro <i>Enrico Pietrogrande, Andreina Milan</i>
14:45-15:00	ICONST-203	Performance of the water turbine technology in small hydropower plants and operating of SMART system <i>Vehebi Sofiu</i>
15:00-15:30		Coffee Break



ENGINEERING SCIENCE AND TECHNOLOGY- ORAL PRESENTATION PROGRAM

26 August 2019 Session 2 – Room 2

Session Chair: Dr. Aysun Anday

15:30-15:45	ICONST-135	Oxidation Kinetics of Ti6Al4V Alloy and Pure Titanium (Cp-Ti) <i>Aysun Ayday</i>
15:45-16:00	ICONST-124	The Effect of Calcium Content on the Micro Arc Oxidation Coating on Titanium Alloy <i>Aysun Ayday, S. Can Kurnaz, Ahmet Özel</i>
16:00-16:15	ICONST-125	Examination of Oxidation Behavior of Ti6Al4V Alloy and Pure Titanium (Cp-Ti) <i>Aysun Ayday</i>
16:15-16:30	ICONST-250	Investigation of the use of oil number ten in Turkey <i>Nurullah Gültekin</i>
16:45-17:00	ICONST-157	Comparison of Two Different Automotive Technology Programs in Internship Applications, Problem and Solution Suggestions <i>Nurullah Gültekin, Durmuş Temiz, Kazım Kumaş</i>
17:15-17:30	ICONST-159	Meslek Yüksekokullarında Verilen Eğitimin Teknolojik Gelişmelere Uyumu: Otomotiv Teknolojileri Programı Örneği <i>Mesut Kilit, Nurullah Gültekin</i>

27 August 2019 Session 3 – Room 1

Session Chair: Dr. Gültekin Uzun

10:30-10:45	ICONST-140	Optimization of Machining Parameters for Surface Roughness in Laser Drilling of Stainless Steel <i>Hüseyin Uzun, Ramazan Çakıroğlu, Gültekin Uzun, Mustafa Günay</i>
10:45-11:00	ICONST-111	Optimization of Cutter Tool Chip Angle and Cutting Parameters on Cutting Temperature in Turning <i>Gültekin Uzun, Ramazan Çakıroğlu, Ahmet Mavi</i>
11:00-11:15	ICONST-261	The Investigation Of The Effect Of The Change Of Ceyhan River On The Property: The Case Of The Osmaniye <i>Fazıl Nacar</i>
11:15-11:30	ICONST-222	Exergetic Performance Analysis of HFO Based Refrigerants (R452A, R452B, R454C) <i>Mehmet Altunkaynak</i>
11:30-11:45	ICONST-118	Optimization Of The Cutting Parameters In The Turning Of A1s1 1050 Material By Using Gray Relation analysis <i>Ömer Asal, Hakan Dilipak, Yunus Kayır, Hakan Gürün, Ali Akay</i>
11:45-12:00	ICONST-119	Optimization Of Cutting Parameters In Turning A1s1 4140 Steel <i>Hakan Dilipak, Ömer Asal, Yunus Kayır, Hakan Gürün, Cem Ersöz</i>
12:00-13:30		Coffee Break



ENGINEERING SCIENCE AND TECHNOLOGY- ORAL PRESENTATION PROGRAM

27 August 2019 Session 4 – Room 1

Session Chair: Dr. Rasim Behçet

13:30-13:45	ICONST-275	Investigation of Solid Waste Management for Union of Municipalities of Afyonkarahisar Environmental Services <i>İsa Akar, İsmail Tosun</i>
13:45-14:00	ICONST-255	The Effect of Alcohol Additive Waste Plastic Source Pyrolysis Fluid on Diesel Engine Performance and Emissions <i>Rasim Behçet, Ali Eroğlu, Adil Koç</i>
14:00-14:15	ICONST-259	Performance and Emission Analysis of a Diesel Engine Fueled with Fish Oil Biodiesel <i>Rasim Behçet</i>
14:15-14:30	ICONST-276	Determination of Biodegradable Waste Characterization and Establishment of Management Plans in Eğirdir District <i>Betül Karakaya, İsmail Tosun</i>
14:30-14:45	ICONST-123	Effects of Using JP8-Diesel Fuel Mixtures in a Pump Injector Engine on Engine Performance <i>Hasan Aydoğan, Emin Çağatay Altınok</i>
14:45-15:00	ICONST-226	A BIM-Based Innovative Approaches to Quality Control in Construction <i>Hülya Bahçeci, Hasan Polat</i>
15:00-15:30		Coffee Break

27 August 2019 Session 5– Room 1

Session Chair: Dr. Hasan Aydoğan

15:30-15:45	ICONST-227	Investigation of Awareness Level of Innovative Quality Control Methods According to Firm Scale <i>Hülya Bahçeci, Hasan Polat</i>
15:45-16:00	ICONST-168	Investigation of Torque Ripples in a Spark Ignition (SI) Engine <i>Özgür Solmaz, Hasan Sirdaş, Habib Gürbüz</i>
16:00-16:15	ICONST-192	Effects of Using JP8-Diesel Fuel Mixtures in a Pump Injector Engine on Engine Performance <i>Hasan Aydoğan, Emin Çağatay Altınok</i>
16:15-16:30	ICONST-233	The Impacts Of Cognition And Culture On Architectural Design <i>Gamze Akbaş, Vehbi Tosun, Arzu Erçetin</i>
16:45-17:00	ICONST-179	Numerical Simulation of Annular Flow boiling in Millimeter Scale Channels and Investigation of Design Parameters Using Taguchi Method <i>Alihsan Koca, Mansour Nasiri Khalaji</i>
17:15-17:30	ICONST-286	Adaptive Cesáro Mean Filter for Salt-and-Pepper Noise Removal <i>Serdar Enginoğlu, Uğur Erkan, Samet Memiş</i>



ENGINEERING SCIENCE AND TECHNOLOGY- ORAL PRESENTATION PROGRAM

27 August 2019 Session 3 – Room 2

Session Chair: Dr. Fatih Başçıftçi

10:30-10:45	ICONST-171	Determination Age and Gender with Edge Detection Algorithms Using Dental X-Ray Images <i>Fatih Başçıftçi, Emre Avuçlu</i>
10:45-11:00	ICONST-196	An Empirical Comparison of Machine Learning Algorithms for Predicting Breast Cancer <i>Hamit Taner Ünal, Fatih Başçıftçi</i>
11:00-11:15	ICONST-205	Determination Age and Gender with Edge Detection Algorithms Using Dental X-Ray Images <i>Fatih Başçıftçi, Emre Avuçlu</i>
11:15-11:30	ICONST-206	An Empirical Comparison of Machine Learning Algorithms for Predicting Breast Cancer <i>Hamit Taner Ünal, Fatih Başçıftçi</i>
11:30-11:45	ICONST-184	Determining the Carrot Volume using intelligent systems <i>Mustafa Nevzat Örnek, Humar Kahramanlı Örnek</i>
11:45-12:00	ICONST-287	k-Approximate Frequency Median Filter in Salt-and-Pepper Noise <i>Uğur Erkan, Levent Gökrem, Serdar Enginoğlu</i>
12:00-13:30		Coffee Break

27 August 2019 Session 4 – Room 2

Session Chair: Dr. Hayati Mamur

13:30-13:45	ICONST-126	A Poynting Vector Approach to Electromechanical Energy Conversion on Electric Machine Operation <i>Necati Fatih Demiral, Tayfun Dogan, Necibe Fusun Oyman Serteller</i>
13:45-14:00	ICONST-132	Termoelektrik jeneratörler için yükseltici çeviricili maksimum güç noktası takibi benzetimi <i>Hayati Mamur, Yusuf Çoban</i>
14:00-14:15	ICONST-133	Simulation of regenerative braking in electric vehicles <i>Hayati Mamur, Alper Kağan Candan</i>
14:15-14:30	ICONST-219	Static Voltage Stability Improvement using TCSC during Transient State in Power System <i>Burçin Özkaya, M. Kenan Döşoğlu, Uğur Güvenç, Okan Bingöl</i>
14:30-14:45	ICONST-235	MOSFET-Only Current-Mode HP/BP Filter With Very Small Layout Area and Power Consumption <i>Emre Arslan, Şafak Murat Kızılırmak</i>
14:45-15:00	ICONST-221	Electric Amphibious Boat Design <i>Hüseyin Yılmaz, Rifat Emre Terzi, Safa Yıldız</i>
15:00-15:30		Coffee Break



ENGINEERING SCIENCE AND TECHNOLOGY- ORAL PRESENTATION PROGRAM

27 August 2019 Session 5 – Room 2

Session Chair: Dr. Mahnaz Gümrukçüoğlu Yiğit

15:30-15:45	ICONST-181	Synthesis and characterization of SnO ₂ nanoparticles with enhanced photocatalytic activity <i>Muhammet Hüseyin Orhan, Handan Kamış, Bircan Haspulat-Taymaz</i>
15:45-16:00	ICONST-182	Preparation of the New Polyaniline/SnO ₂ Nanocomposite and Its Photocatalytic Activity for Degradation of Methylene Blue Dye <i>Handan Kamış, Muhammed Hüseyin Orhan, Bircan Haspulat Taymaz</i>
16:00-16:15	ICONST-213	Towards To Ecological Cities From Ordinary Cities: The Case Study Of Sakarya City <i>Mahnaz Gümrukçüoğlu Yiğit, Seda Şahin, Gülcan İşleyen</i>
16:15-16:30	ICONST-242	Machine Learning Model and Web Service Application on Data Science Virtual Machine <i>Onur Mahmut Pişirir, Okan Bingöl</i>
16:45-17:00	ICONST-236	Effects of parcel-based construction on urbanization; Example of Osmaniye <i>Fazıl Nacar</i>
17:15-17:30	ICONST-186	Synthesis and characterization of NiO nanoparticles and investigation of its photocatalytic activity under UV and visible light irradiation for degradation of methylene blue dye <i>Handan Kamış, Ayfer Gözde Vidin, Bircan Haspulat-Taymaz</i>

28 August 2019 Session 6 – Room 1

Session Chair: Dr. Humar Kahramanli Örnek

10:30-10:45	ICONST-277	Examination of Industrial Waste Management Plan for Textile Sector <i>Zeynep Korkmaz, İsmail Tosun</i>
10:45-11:00	ICONST-207	Optimization Of Shell And Tube Heat Exchangers With Wolf Colony Algorithm <i>Fatih Kürşad Gündüz, Önder Kızılkın, Ecir Uğur Küçükşille</i>
11:00-11:15	ICONST-225	LSTM ve CNN Ağları ile Mermer Numunelerinin Sınıflandırılması <i>Nazan Kemaloğlu, Ecir Uğur Küçükşille</i>
11:15-11:30	ICONST-271	SFA Algoritması ve Entropi Yöntemleri ile Çok Seviyeli Görüntü Bölütleme <i>Okan Bingöl, Serdar Paçacı, Uğur Güvenç</i>
11:30-11:45	ICONST-270	Determining the Carrot Volume Using Intelligent Systems <i>Mustafa Nevzat Örnek, Humar Kahramanli Örnek</i>
11:45-12:00	ICONST-263	Digital Fabrication of a Foot Bone Structure from CT Scan Data <i>Yılmaz Gür</i>
12:00-13:30		Coffee Break



ENGINEERING SCIENCE AND TECHNOLOGY- ORAL PRESENTATION PROGRAM

28 August 2019 Session 7 – Room 1

Session Chair: Dr. Meryem Elif. Çelebi Karakök

13:30-13:45	ICONST-131	Ecologic Evaluation of Restorated Vernacular Settlements: A case study in Ibradi <i>Meryem Elif Çelebi Karakök, Hacer Mutlu Danaci, Kemal Reha Kavas, İbrahim Bakir</i>
13:45-14:00	ICONST-169	Examination Of Thermal Performance Before Restorations Of Historical Turkish Baths Case Of Eğirdir Yeşil Ada Turkish Bath <i>Ayşe Betül Gökarslan, M. Elif Çelebi Karakök</i>
14:00-14:15	ICONST-224	Questioning the Use of Travertine as a Construction Material in Historical Buildings within the Context of Sustainable Architecture: The Case Study of Evdir Han <i>Meryem Elif. Çelebi Karakök, Hacer Mutlu Danaci, İbrahim Bakir, Kemal Reha Kavas</i>
14:15-14:30	ICONST-269	Pollutants of drinking water sources and basin limit determination measures <i>Leyla Suri</i>
14:30-14:45	ICONST-246	Geophysical Determination of Surface Rupture of AD740 Earthquake, Lake İznik, NW Turkey <i>Oğuzhan Bozkurt, Ayşe Yılmaz Turgal, A. Evren Erginal, Oya Erenoğlu, Emin U. Uluggerli, R. Cüneyt Erenoğlu</i>
14:45-15:00	ICONST-247	Is Submergence of the Saint Neophytos Basilica (Lake İznik, NW Turkey) Caused by AD740 Earthquake or Climate Change? Discussion of Geoelectrical Data <i>Hatice Edanur Çınar, Ayşe Yılmaz Turgal, A. Evren Erginal, Oya Erenoğlu, Emin U. Uluggerli, R. Cüneyt Erenoğlu</i>
15:00-15:30		Coffee Break

28 August 2019 Session 9 – Room 1

Session Chair: Dr. Ahmet Kabul

15:30-15:45	ICONST-288	Energy And Exergy Analysis Of An Industrial Furnace <i>Mehmet Altınkaynak, Doğan Çelik, Ali Kemal Yakut</i>
15:45-16:00	ICONST-297	Experimental Investigation of The Effect of Peltier Thermoelectric Materials on The Efficiency of Photovoltaics <i>Fatih Yiğit, Ahmet Kabul, Selahattin Özhan, Sefa Demir</i>
16:00-16:15	ICONST-256	Performance Analysis of Indirect Diesel Injection Combustion (IDI) for Heavy-Duty V16 Diesel Engine by Numerical Simulation <i>Ahmed Elrakb , M. Zafer Gül</i>
16:15-16:30	ICONST-299	Experimental Investigation of Phase Changing Materials Use of Heating for Residential Buildings <i>Fatih Yiğit, Ece Yılmaz Yiğit, Ahmet Kabul</i>
16:45-17:00	ICONST-300	Thermodynamic Analysis of Double Flash Geothermal Power Plant, Aydın, Turkey (ID:172) <i>Fatih Yiğit, Metin Çetin, Ahmet Kabul</i>
17:00-17:15	ICONST-319	Use of Essential oil nanofibers in Food Industry <i>Hale Seçilmiş Canbay</i>



ENGINEERING SCIENCE AND TECHNOLOGY- ORAL PRESENTATION PROGRAM

28 August 2019 Session 7 – Room 2

Session Chair: Dr. Ersin Çavuşlar

10:30-10:45	ICONST-185	Improvement of hydrophilic and mechanical properties' for polyester textile surfaces by dip coating method <i>Ersin Çavuşlar, Deniz Bozar</i>
10:45-11:00	ICONST-187	Increasing Mechanical And Chemical Resistance Performance Of Gloves Used As Personel Protective Equipment <i>Deniz Bozar, Ersin Çavuşlar</i>
11:00-11:15	ICONST-245	Stacked Delta Prograding Sequences and Sea-Level Changes during the Late Quaternary Offshore Karakoc River, Western Coast of Turkey <i>Savas Gurcay</i>
11:15-11:30	ICONST-188	Plant Biomimicry in Engineering <i>Havva Kaya, Semra Kılıç</i>
11:30-11:45	ICONST-318	Effect of Different Temperatures on Al Doped ZnO Thin Films Growth by Spray Pyrolysis <i>Canan Can, Mustafa Karaboyacı</i>
11:45-12:00	ICONST-218	Fast Task Detection and Implementation in Accessible House for Geriatric Case <i>Kubilay Tasdelen, Ahmet Ali Süzen</i>
12:00-13:30		Coffee Break

28 August 2019 Session 8 – Room 2

Session Chair: Dr. Alihsan Koca

13:30-13:45	ICONST-258	Numerical Simulation of Annular Flow boiling in Millimeter-scale Channels and Investigation of Design Parameters Using Taguchi Method <i>Alihsan Koca, Mansour Nasiri Khalaji</i>
13:45-14:00	ICONST-195	Experimental Research on Header End - Plate Connections <i>Adem Karasu, Cüneyt Vatansever, Haluk Emre Alçiçek</i>
14:00-14:15	ICONST-289	Pv-T Kollektör Kaynaklı Bir Isı Pompası Sisteminin Enerji ve Ekserji Analizi <i>Mehmet Altunkaynak, Recep Demirekin, Ali Kemal Yakut</i>
14:15-14:30	ICONST-298	Thermodynamic Analysis of The Effects of Using Different Fluids on Organic Rankine Cycle <i>Fatih Yiğit, Mehmet Altunkaynak, Ahmet Kabul</i> Coffee Break
14:30-14:45	ICONST-325	Determination of the thermal structure using aeromagnetic data for the Aegean Region, Turkey <i>M. Nuri Dolmaz, Ezgi Erbek</i>
15:00-15:30		Coffee Break



ENGINEERING SCIENCE AND TECHNOLOGY- ORAL PRESENTATION PROGRAM

28 August 2019 Session 9 – Room 2

Session Chair:

15:30-15:45	ICONST-302	Thermodynamic Analysis Of Plane Air Solar Collector Storage System <i>Tulin Celik, Sukran Tanriverdi, Ali Ural, Fatih Kursat Fırat</i>
15:45-16:00	ICONST-304	Assessment of Acoustic Characters of a Region With Heavy Highway Traffic by Soundwalks <i>Nazlı Seda Yalçındağ, Mustafa Ece, Mehmet Kılıç</i>
16:00-16:15	ICONST-305	Estimation of Population Exceedances and Levels (PEL) Scores for Noise Action Plans: Antalya Case <i>Nazlı Seda Yalçındağ, Mustafa Ece, Deniz Sarı, Nesimi Özkurt, Mehmet Kılıç</i>
16:15-16:30	ICONST-303	Comparison Of Planar Air Solar Collector Storage System And Parabolic Solar Collector Storage System For Space Heating <i>Gamze Soy Turk, Ahmet Kabul</i>
16:30-16:45	ICONST-317	Chemical Composition of Spartium Junceum Flowers with Direct Extraction Polar and Apolar Solvents <i>Özlem Karaboyacı, Semra Kılıç</i>
16:45-17:00	ICONST-201	Preparation of Skin Cream with Retinol Isolated from Egg Yolk <i>Nefise Arı, Ümit Erdoğan, Mustafa Karaboyacı</i>

29 August 2019 Session 10 – Room 1

Session Chair: Dr. Mustafa Karaboyacı

10:30-10:45	ICONST-202	Reuse of Rose Oil Industry Wastewater as Source of Natural Dyes in Cotton Dyeing <i>İrem Oğurlu, Mustafa Karaboyacı</i>
10:45-11:00	ICONST-323	The effect of water sources on the formation of adorabable organic halides in swimming pools <i>Qahtan Adnan Ali, Şule Sultan Uğur, B. Ilker Harman, A.A.S.Kanan, Mehmet Kilic</i>
11:00-11:15	ICONST-324	An attempt to depth estimate and boundaries of Burdur Sedimentary Basin, SW Turkey using geophysical methods <i>M. Nuri Dolmaz, Erdinc Oksum, Luan Thanh Pham</i>
11:15-11:30	ICONST-335	Electromagnetic Interference Shielding Properties of Vermiculite Doped Rigid Polyurethane Materials <i>Ahmet Çifci</i>
11:30-11:45	ICONST-336	Review of Traditionally Consumed Antidiabetic Fruits in the Diet <i>Pınar Ünsal, Ebru Aydın, Gülcan Özkan</i>



ENGINEERING SCIENCE AND TECHNOLOGY- ORAL PRESENTATION PROGRAM

29 August 2019 Session 10 – Room 2

Session Chair: Dr. Mehmet Kılıç

10:30-10:45	ICONST-120	Emission of Pollutants in the Air and Adverse Effects on Health <i>Besa Veseli, Vehebi Sofiu</i>
10:45-11:00	ICONST-338	Real-Time Comparison of MPPT Algorithms and Application of These Algorithms to PV System <i>Tolga Keskin, Kubilay Taşdelen</i>
11:00-11:15	ICONST-105	Sustainable Management of Water Resources as Key Factor for Protection from Floods <i>Drenushe Fidani</i>
11:15-11:30	ICONST-115	The Role of Smart Fronts in Energy Efficient Design <i>Yasemin Hoca</i>
11:30-11:45	ICONST-339	Thermodynamic Analysis of Planar Air Solar Collector Storage System <i>Ganze Soytürk, Ahmet Kabul</i>