

**TIEM 2023 PROGRAMME**

**Friday, December 1, 2023**

***Conference Opening***

***Prof. Dr. Fuat Sezgin Conference Hall (Bandirma Onyedi Eylul University, Central Campus)***

|               |  |   |
|---------------|--|---|
| 09:00 – 10:00 | Registration and Tea/Coffee Service                  |   |
| 10:00 – 11:00 | Opening Ceremony                                     | <p>Assoc. Prof. Dr. Selahattin Kosunalp – Conference Chairman</p> <p>Prof. Dr. Grigor Yordanov Mihaylov – Conference Chairman</p> <p>Prof. Dr. Suleyman Ozdemir – Rector of Bandirma Onyedi Eylul University</p> <p>Prof. Dr. Miglena Temelkova – Rector of University of Telecommunications and Post</p> <p>Prof. Dr. Ali Savas Bulbul – Vice Rector of Bayburt University</p> <p>Prof. Dr. Mohd Nizar Hamidon – Director of Institute of Nanoscience and Nanotechnology of Universiti Putra Malaysia</p>  |
| 11:00 – 12:30 | Opening Session                                      | <p>Magnetodielectric Materials for Flexible Patch Antenna in IoT<br/>Invited Speaker – Prof. Dr. Mohd Nizar Hamidon (Onsite)</p> <p>Achieving Line-of-Sight Communications Through Reconfigurable Intelligent Surfaces<br/>Invited Speaker – Prof. Dr. Ali Emre Pusane (Online)</p> <p>Management and Self-Confidence: Overcoming Barriers in Turkish Energy and IT Sectors<br/>Invited Speaker – Assoc. Prof. Dr. Oguzhan Bilgin (Online)</p> <p>Recent Trends in Underwater Acoustic Communication and Networking<br/>Invited Speaker – Prof. Dr. Paul Daniel Mitchell (Online)</p> |
| 12:30 – 14:00 | Lunch (Bandirma Onyedi Eylul University Dining Hall) |   |

***Onsite Session***

***Prof. Dr. Fuat Sezgin Conference Hall (Bandirma Onyedi Eylul University, Central Campus)***

|   |   |
|---|---|
| Onsite Session – 1 (In English)                     |   |
| Head of Session: Prof. Dr. Grigor Yordanov Mihaylov |   |
| 14:00 – 15:00                                       | Wideband Local Antennas Alignment for 890-960 MHz Band<br><i>Stanimir Sadinov*</i> , <i>Miroslav Tomov</i> , <i>Boyan Karapenev</i>     |
|   | Limb Tremor Measurement through Wearable Units<br><i>Mehmet Akif Alper*</i> , <i>Turgut Ozturk</i>                                      |
|   | Performance Analyses of a Two-Stage Quadrature RC Generator with Three Integrators<br><i>Boyan Karapenev*</i> , <i>Stanimir Sadinov</i> |

|               |  |
|---------------|--|
|               | Development of the Microwave Planar Sensor to Characterize Materials with Respect to Material Energy Level<br><i>Turgut Ozturk, Mehmet Akif Alper*</i> |
|               | The Effect of the Environment on Performances of Precast Concrete by Solar Energy of the Taksebt Dam<br><i>Ben Khadda Ben Ammar*</i>                   |
|               | THz Metamaterial Absorber Design with Dual-Band and High Absorption Rate<br><i>Yunus Kaya*</i>   |
| 15:00 – 15:15 | Tea/Coffee Break   |

**Online Sessions**

**Virtual Hall**

|  |   |
|--|---|
| Online Session – 1 (In English)<br>Head of Session: Prof. Dr. Mohd Nizar Hamidon         |   |
| 15:15 – 16:15  | Fabrication of Patch Antenna Utilizing CNT-Ferrite Nanocomposite as Magnetic-Conductive Material<br><i>Intan Helina Hasan*, Mohd Nizar Hamidon, Ismayadi Ismail, Yunus Kaya</i>                             |
|  | Design of Vivaldi Antenna for Wideband Applications<br><i>Ali Turgut Kizilcik*, Ugur Cem Hasar, Hamdullah Ozturk</i>  |
|  | Investigation of River Flow Characteristics Using Internet of Things towards Prediction of River Surge (Kepala Air)<br><i>Irdina Ridwana Roszaimi, Nursarafina Nadhia Abd Malek, Alyani Ismail*</i>         |
|  | Evaluation of Blowfish Encyrption Algorithm on Transport-Triggered Architecture<br><i>Latif Akcay*, Mustafa Alptekin Engin</i>  |
|  | Critical Requirements of Wireless Technologies for Real-time Voice Transmission in Above-Water Environments: A Comparative Study of NB-IoT, LTE, and 5G<br><i>Amirun Fahim Faizul Haiza, Alyani Ismail*</i> |
|  | Comparative Analysis of Differential Privacy over Multiple Data Sets<br><i>Refik Can Oztas*, Bulent Tugrul</i>  |
| 16:15 – 16:30  | Tea/Coffee Break  |
| Online Session – 2 (In English)<br>Head of Session: Assoc. Prof. Dr. Selahattin Kosunalp |   |
| 16:30 – 17:30  | A Descriptive Survey of Metaverse-Related Studies in the Literature<br><i>Nazmiye Eliguzel*</i>   |
|  | Scalogram Based Spoken Digit Classification via Deep Learning<br><i>Mustafa Alptekin Engin*, Latif Akcay</i>  |
|  | Imperials vs. Rebellions: An Analogical Comparison of Fear of Missing Out and   |

|               |  |
|---------------|--|
|               | Joy of Missing Out<br><i>Fatih Sahin</i> *   |
|               | An Intelligent Support System for Online Learners in Difficulty<br><i>Ali Seridi</i> *, <i>Yamina Bordjiba</i> , <i>Riad Bourbia</i>   |
|               | Data Augmentation Effect on Facial Expression Recognition Using Deep Learning Models<br><i>Yamina Bordjiba</i> *, <i>Ali Seridi</i> , <i>Nabiha Azizi</i> , <i>Hayat Farida Merouani</i> , <i>Saber Mehammedia</i> |
|               | Simple Structured and Easily Realizable Triple-Band Metamaterial Absorber Design<br><i>Yunus Kaya</i> *, <i>Ugur Cem Hasar</i>   |
| 17:30 – 19:00 | Free Time  |
| 19:00         | Dinner (Bandirma Onyedi Eylul University Erdek Practice Hotel Restaurant)  |

**Saturday, December 2, 2023*****Online Sessions******Virtual Hall***

|  |  |
|--|--|
| Online Session – 3 (In Turkish)<br>Head of Session: Assist. Prof. Dr. Mustafa Alptekin Engin |  |
| 08:45 – 09:45  | Comparison of Coverage Map of Different Terrain Type<br><i>Ugur Erbas</i> , <i>Md Abdullah Al Imran</i> , <i>Mehmet Baris Tabakcioglu</i> *                                  |
|  | Electromagnetic Shielding Performance of Some Bayburt Stone Based Materials<br><i>Ugur Erbas</i> , <i>Ilker Tekin</i> , <i>Mehmet Baris Tabakcioglu</i> *, <i>Enes Yigit</i> |
|  | Digital Twin Application in Laser Cutting Machines<br><i>Ugur Karanfil</i> , <i>Esra Yalcin</i> *  |
|  | A RCS Reduction Method Using the Air-Based Anisotropic Metasurface Polarization Converter<br><i>Fatih Tutar</i> *, <i>Gokhan Ozturk</i> , <i>Rıdvan Tokyurek</i>             |
|  | The Effects of Electromagnetic Fields on Human Health and Occupational Safety<br><i>Mustafa Ozdemir</i> *  |
|  | CSI Signals and Motion Analysis<br><i>Veysel Tilegi</i> , <i>Emir Enes Tas</i> *, <i>Soner Can Erhan</i>   |
| 09:45 – 10:00  | Break  |
| Online Session – 4 (In English)<br>Head of Session: Vladimir Bronfenbrenner                  |  |
| 10:00 – 10:20  | Policies in the Field of Interdisciplinarity and Resource Sharing in Higher Education in Bulgaria  |

|               |   |
|---------------|---|
|               | Invited Speaker – Prof. Dr. Genka Petrova   |
| 10:20 – 12:45 | An Extension of the Ignite UI for Angular Library for Accelerating the Design of Web-Based Applications<br><i>Pavlinka Radoyska*</i> , <i>Riva Ivanova</i>  |
|               | Main Features of the Digital Transformation of Higher Education<br><i>Vihra Dimitrova*</i>  |
|               | Basic Systematization of Nuances (Aspects) for Understanding Human Factors Pressure in Workplace Differences<br><i>Ivaylo Stoyanov*</i>   |
|               | Impact of Cyberbullying on the Behavior and Performance of Employees: An Empirical Study in Telecommunication Services Companies in Republic of Bulgaria<br><i>Ivaylo Stoyanov*</i> , <i>Gergana Dimcheva</i> |
|               | Improving the Email Software Security by Identifying the Attacker Tools and Techniques<br><i>Falak Hasan*</i> , <i>Mariana Petrova</i>  |
|               | Brief Analysis of Key Aspects of the Digital Workplace<br><i>Vihra Dimitrova*</i>   |
|               | Navigating the Legal Landscape of Rapid AI Development in European Union<br><i>Dragan Stankovski*</i>   |
|               | Agile Automation: Enhancing Telecommunication Management through AI-Driven Strategies<br><i>Dragan Stankovski*</i> , <i>Dimitar Radev</i> , <i>Ognyan Fetfov</i> , <i>Boyko Ganchev</i>                       |
| 12:45 – 13:00 | Break   |

**Onsite Session**

**Prof. Dr. Fuat Sezgin Conference Hall (Bandirma Onyedi Eylul University, Central Campus)**

|  |  |
|--|--|
| Onsite Session – 2 (In English)          |  |
| Head of Session: Vladimir Bronfenbrenner |  |
| 13:00 – 14:30                            | Ensuring and Improving Communications During Crises Caused by Natural Disasters or Mass Events<br><i>Todor Gospodinov*</i> |
|  | Challenges and Solutions for Resilient Transport in the Era of New Environmental Requirements<br><i>Antoaneta Kirova*</i>  |
|  | Individual Time in the Context of Artificial Intelligence<br><i>Liubov Ilieva*</i>   |
|  | Managing the Conflicts in International Joint Ventures: Prevent or Resolve Them  |

|               |   |
|---------------|---|
|               | <i>Tchetin Kazak*</i>   |
|               | Image Segmentation of Satellite Imagery with U-Net Convolutional Neural Network for Floods Detection<br><i>Denis Byalev*, Egnar Ozdikililer</i> |
|               | Short Overview of Software Architectural Models<br><i>Chavdar Marinov*, Egnar Ozdikililer, Pavlinka Radoyska</i>                                |
|               | Vulnerabilities Testing in Real-Time Wi-Fi Network<br><i>Ivan Ivanov, Maya Atanasova*</i>   |
|               | Classification of Fire-Affected Areas with Satellite Data and a Multi-Layered Neural Network<br><i>Irina Topalova*, Lyubena Nacheva</i>         |
|               | The Harms and Benefits of Uncensored AI Used for Data Breach and Data Security<br><i>Mariyana Dimitrova*, Ivan Ivanov</i>                       |
| 14:30 – 14:45 | Break   |

**Online Sessions****Virtual Hall**

|  |   |
|--|---|
| Online Session – 5 (In Turkish)                        |   |
| Head of Session: Assist. Prof. Dr. Erman Kadir Oztekin |   |
| 14:45 – 15:45  | Calculation of the Thickness of Pressure Hydraulic Pipes<br><i>Volkan Nuri Yilmaz*</i>  |
|  | Tire Pressure Monitoring System for Semi-Trailers<br><i>Mehmet Vurgun*</i>  |
|  | Effect of Roof Rail Geometry Variation on Trailer Aerodynamic Drag Coefficient<br><i>Onur Can Kirit*, Mehmet Vurgun</i>             |
|  | Usage of Axle Stoppers and Design Modification in Semi-Trailer Vehicles<br><i>Gokay Gurbuz*, Onur Can Kirit</i>                     |
|  | Effect of Changing the g/b Ratio on the Aerodynamic Drag Coefficient in Simplified Truck-Trailer Geometry<br><i>Onur Can Kirit*</i> |
|  | A THz Metamaterial Based Linear and Circular Polarization Converter<br><i>Fatih Kadiroglu, Gokhan Ozturk*</i>                       |
| 15:45 – 16:00  | Break   |
| Online Session – 6 (In Turkish)                        |   |
| Head of Session: Assist. Prof. Dr. Erman Kadir Oztekin |   |
| 16:00 – 17:00  | EN 12642 Load Securing (Code XL) Annex-A Static Test with Aluminum and  |

|   |   |
|---|---|
|   | <p>Composite Side Profile<br/><i>Gokay Gurbuz*</i>, <i>Yusuf Can Bulut</i></p>  |
|   | <p>Improvement of Arms of the Side Protection, Weight Reduction, and Minimization of Welding Operations<br/><i>Omer Coskun*</i>, <i>Onur Can Kirit</i>, <i>Mehmet Vurgun</i></p>  |
|   | <p>Reverse Maneuver Technology and Vehicle Safety for Secure Transportation with Semi-Trailers<br/><i>Gokay Gurbuz*</i></p>   |
|   | <p>Aluminum Tanker Design and Improvement of ECR 111 Regulation<br/><i>Akin Zengin</i>, <i>Mustafa Yilmaz</i>, <i>Resul Akcali*</i></p>   |
|   | <p>Effect of Iron Diffusion on Fluidity in Casting of A356 Aluminum Alloy<br/><i>Melek Durmus</i>, <i>Murat Colak</i>, <i>Emin Uslu*</i>, <i>Mehmet Gavgali</i></p>   |
|   | <p>Investigation of the Effect of Using Scrap at Different Ratios on Liquid Metal Quality in Casting of A356 Aluminium Alloys<br/><i>Mehmet Tokatli</i>, <i>Emin Uslu*</i>, <i>Murat Colak</i></p>  |
| 17:00 – 17:15   | Break   |
| <p>Online Session – 7 (In English)<br/>Head of Session: Dr. Ismayadi Ismail</p>         |   |
| 17:15 – 18:15   | <p>EMI/EMC Tests for Shelters: Safeguarding Against Electromagnetic Interference<br/><i>Okan Dinc*</i>, <i>Ramazan Furkan Koca</i></p>  |
|   | <p>Malaysian Public Perception on Health Effects of 5G Electromagnetic Field (EMF) Emissions<br/><i>Alyani Ismail*</i>, <i>Akmar Hayati Ahmad Ghazali</i>, <i>Aduwati Sali</i>, <i>Nadiyah Husseini Zainol Abidin</i>, <i>Nurul Adilah Abdul Latiff</i></p> |
|   | <p>Sign-Ambiguity-Free Extraction of Permittivity of Materials from Reference-Invariant Expressions<br/><i>Ugur Cem Hasar*</i>, <i>Yunus Kaya</i></p>   |
|   | <p>Synergistic Use of Optical and Synthetic Aperture Radar Data for Improving Land Cover Classification: A Case Study for Munich<br/><i>Mustafa Ustuner*</i></p>  |
|   | <p>mTTTbot: Multiple Style Table Tennis Trainer &amp; Ball Launcher Robot<br/><i>Mustafa Tasci*</i></p>   |
|   | <p>Dual-Band and Wide-Angle Metamaterial Absorber Design for C- and X-Band Microwave Applications<br/><i>Yunus Kaya*</i>, <i>Ugur Cem Hasar</i></p>   |
| 18:15 – 18:30   | Break   |
| <p>Online Session – 8 (In English)<br/>Head of Session: Assoc. Prof. Dr. Yunus Kaya</p> |   |

|  |   |
|--|---|
| 18:30 – 19:30  | Design and Implementation of 2.5 GHz Microstrip Patch Antenna<br><i>Suresh Dixit*</i> , <i>Karan Revankar</i>   |
|  | Development of Flexible and Ferrite Film Microstrip Patch Antenna<br><i>Suresh Dixit*</i> , <i>Karan Revankar</i>   |
|  | Recommendations on the Biological Effects of Electromagnetic Waves<br><i>Bishal Gurung*</i> , <i>Indra Mani</i>   |
|  | Modeling and Simulation of a DC-CD Converter with PID Controller<br><i>Sangeeta Kumari</i> , <i>Anita Choudhary</i> , <i>Bishal Gurung*</i> , <i>Indra Mani</i> |
|  | PWM Wave Generator Design with a Simple Approach<br><i>Bishal Gurung*</i> , <i>Sangeeta Kumari</i> , <i>Anita Choudhary</i>                                     |
|  | Design of a 20 kW Wind Turbine<br><i>Abderrezak Cherana*</i>  |
| 19:30 – 19:45  | Break   |
| Online Session – 9 (In English)<br>Head of Session: Assoc. Prof. Dr. Selahattin Kosunalp |   |
| 19:45 – 20:45  | Basic Components of Internet of Things (IoT) Architecture and a New Architectural Design<br><i>Mohamed Laouer*</i> , <i>Mohammed Amroune</i>                    |
|  | Internet of Things (IoT) Current Studies and Today’s Applications<br><i>Mohammed Amroune*</i>   |
|  | Forward-Looking Recommendations in Global Education: Equality, Technology and Human-Centered Approaches<br><i>Hamide Basha*</i>                                 |
|  | Obstacles to Effective Communication and Recommendations<br><i>Hamide Basha*</i>  |
|  | Leadership Challenges and Rules for Overcoming Obstacles: Tips for Strong Leadership<br><i>Nurul Alias*</i> , <i>Talhi Khodja</i>                               |
|  | The Leader’s Role in Innovation: Encouraging and Moving Creativity Forward<br><i>Nurul Alias*</i> , <i>Talhi Khodja</i>   |

**Sunday, December 3, 2023*****Online Sessions******Virtual Hall***

|   |   |
|---|---|
| Online Session – 10 (In English)<br>Head of Session: Dr. Mohd Hafizuddin Ab Ghani |   |
| 09:00 – 10:00   | Enhancing Microwave Absorbing Materials Efficiency: Carbon Nanofiber-Mill |

|   |  |
|---|--|
|   | <p>Scale Hybrid for Broadband Electromagnetic Absorption<br/><i>Ismayadi Ismail*</i>, <i>Intan Helina Hasan</i>, <i>Mohd Hafizuddin Ab Ghani</i>, <i>Mohd Nizar Hamidon</i>, <i>Mehmet Ertugrul</i></p>  |
|   | <p>Carbon Black Electrospun Nanofiber Produced via Electrospinning Method<br/><i>Mohd Ali bin Mat Nong*</i>, <i>Che Azurahaman Che Abdullah</i>, <i>Juraina Md Yusof</i>, <i>Ismayadi Ismail</i>, <i>Mohd Hafizuddin Ab Ghani</i>, <i>Intan Helina Hasan</i></p>   |
|   | <p>Optimizing Environmentally Friendly Drilling Fluid Performance under High-Pressure High-Temperature Conditions through Carbon Nanomaterials<br/><i>Siti Zulaika Razali*</i>, <i>Robiah Yunus</i>, <i>Juraina Md Yusof</i>, <i>Ismayadi Ismail</i>, <i>G. Abdulkareem-Alsultan</i>, <i>Umer Rashid</i>, <i>Norizah Abdul Rahman</i>, <i>Mohd Hafizuddin Ab Ghani</i></p> |
|   | <p>Methylene Blue Adsorption on Composites of Activated Carbon and Sodium Alginate<br/><i>Fatima Ezzahra Yaacoubi*</i>, <i>Chaima Sekkouri</i>, <i>Imad Rabichi</i>, <i>Zaina Izghri</i>, <i>Abdelaziz Bacaoui</i>, <i>Abdelrani Yaacoubi</i></p>  |
|   | <p>Enhancing Phosphorus Removal Efficiency through Lanthanum Modified Biochar<br/><i>Nail Amara*</i></p>   |
|   | <p>Analysis of Inaccurate Information of Sample Holder Thickness in Determining Electromagnetic Properties of Soil Samples<br/><i>Hafize Hasar*</i>, <i>Ugur Cem Hasar</i>, <i>Yunus Kaya</i></p>  |
| 10:00 – 10:15   | Break  |
| <p>Online Session – 11 (In English)<br/>Head of Session: Dr. Intan Helina Hasan</p> |  |
| 10:15 – 11:15   | <p>Effect of Temperature Variation on the Mechanical Behavior of Composite Plates Reinforced on Both Sides by Carbon Fiber Patches<br/><i>Faycal Mili*</i>, <i>Sarah Guenifa</i>, <i>Toufik Achour</i></p>   |
|   | <p>Pullulan Active Packaging Incorporated with Green Silver Nanoparticles to Enhance the Shelf-Life of Broiler Chicken Meat<br/><i>Suriya Kumari Ramiah*</i></p>   |
|   | <p>Development of a Simple, Cheap, and High-Sensitivity Metamaterial Sensor Concept<br/><i>Yunus Kaya*</i>, <i>Ugur Cem Hasar</i></p>  |
|   | <p>Current Challenges and Potential of High-Performance Supercapacitors Derived-Metal-Organic Frameworks<br/><i>Mohd Hafizuddin Ab Ghani*</i>, <i>Ismayadi Ismail</i>, <i>Josephine Ying Chyi Liew</i>, <i>Umer Rashid</i>, <i>Balkis Hazmi</i>, <i>Ruey Shan Chen</i>, <i>Kyle E. Cordova</i></p>   |
|   | <p>Synthesis and Luminescent Properties of Eu<sup>3+</sup> doped Lu<sub>2</sub>WO<sub>6</sub> Red Phosphors<br/><i>Amar Khelfane*</i>, <i>Rafik Aba</i>, <i>Abdelmounaim Chetoui</i>, <i>Mourad Derbal</i>, <i>Meftah Tablaoui</i>, <i>Lakhdar Guerbous</i>, <i>Mohamed Issam Ziane</i></p>  |



|   |  |
|---|--|
|   | Analysing Malaysian Technology Sector Using Minimum Spanning Tree: A Case of COVID 19<br><i>Zurita Ismail*</i> , <i>Masnida Hussin</i> , <i>Hafizah Bahaluddin</i>   |
| 11:15 – 11:30   | Break  |
| Online Session – 12 (In English)<br>Head of Session: Assist. Prof. Dr. Galip Yilmaz       |  |
| 11:30 – 12:30   | Evaluation of ZnO Nanostructures Growth on Carbon Nanotubes Cotton<br><i>Juraina Md Yusof*</i> , <i>Ismayadi Ismail</i> , <i>Rahimi M Yusop</i> , <i>Mohd Ali Mat Nong</i> , <i>Siti Zulaika Razali</i>  |
|   | Efficient Wastewater Disinfection through Hydroxide Sludge/Hydrochar Composite-Mediated Photo-Fenton Reaction<br><i>Zaina Izghri*</i> , <i>Chaima Sekkouri</i> , <i>Fatima Ezzahra Yaacoubi</i> , <i>Imad Rabichi</i> , <i>Layla El Gaini</i> , <i>Abdelaziz Bacaoui</i> , <i>Abdelrani Yaacoubi</i> |
|   | Repurposing Elastomeric Tubular Membranes and Nanostructured Adhesive Films for Triboelectric Nanogenerators<br><i>Galip Yilmaz*</i>   |
|   | Size Separation and Bulk Densification Analysis of UHMWPE Powder Under Vibration<br><i>Galip Yilmaz*</i>   |
|   | Stochastic Optimization in Renewable Energy Systems: A Comprehensive Literature Review<br><i>Gurkan Guven Guner*</i>   |
|   | New Permittivity-Moisture Curve for Moisture Evaluation within Soil Samples<br><i>Hafize Hasar*</i> , <i>Ugur Cem Hasar</i> , <i>Yunus Kaya</i>  |
| 12:30 – 12:45   | Break  |
| Online Session – 13 (In Turkish)<br>Head of Session: Assoc. Prof. Dr. Selahattin Kosunalp |  |
| 12:45 – 13:45   | Evaluation of Passive Radiator Structures in Low-Frequency Radio Astronomy Arrays from the Perspective of Active Antenna Design Methods<br><i>Mertcan Altikardesler*</i> , <i>Salih Mehmed Bostan</i>  |
|   | Analysing Eastern Anatolian Region Food Recipes with Graph Database<br><i>Selin Irmak Akpınar*</i> , <i>Yunus Emre Sepetci</i> , <i>Bulent Tugrul</i>  |
|   | Motion Prediction Classification for Wall-Following Robot Navigation<br><i>Nazlican Cavli*</i> , <i>Nisa Koban</i> , <i>Emrah Benli</i> , <i>Ayten Atasoy</i>  |
|   | Fixed Point Results of Generalized $(\phi, \psi)$ -Contractive Mappings in Ordered Non-Newtonian Metric Spaces<br><i>Demet Binbasioglu*</i>  |
|   | Activated Carbon-Based Adsorbent for Hydrogen Purification   |

|  |  |
|--|--|
|  | <i>Seda Tiras*</i> , <i>Bilge Coskuner Filiz</i> , <i>Aysel Kanturk Figen</i>  |
|  | Finding the Density of a Closed or Open System at Time $t$ with Eigenvalues and Eigenvectors<br><i>Ramazan Simsek*</i>   |
| 13:45 – 14:00  | Break  |
| Online Session – 14 (In English)<br>Head of Session: Assoc. Prof. Dr. Selahattin Kosunalp  |  |
| 14:00 – 15:00  | The Use of Eye-Tracking Technology in Education<br><i>Mehmet Donmez*</i>   |
|  | Linguistic Summarization for Higher Education Institutions in the Context of Sustainable Development Goals: Analysis of THE Impact Ranking Results<br><i>Fatma Sener Fidan*</i> , <i>Sena Aydogan</i>  |
|  | Play to Earn Web 3.0: The Future of Gaming and Marketing<br><i>Fatih Sahin*</i>  |
|  | Artificial Intelligence in Marketing: Content Analysis of Web of Science Indexed Papers<br><i>Mahmut Selami Akın*</i>  |
|  | Entrepreneurship and Management Roles in Wealth Creation<br><i>Chief Irukwu Onwuka*</i> , <i>Chinenyenwa Marycynthia Obieze</i> , <i>Veena Chiamaka Ezenagu</i> , <i>Tracy Christopher</i> , <i>Marvelous Oluchi Onwuka</i> , <i>Great Irukwu Onwuka</i> |
| Analysis of Occupational Accidents in the Electricity Generation, Transmission, and Distribution Sector in Turkey<br><i>Mustafa Ozdemir*</i> |  |
| 15:00 – 15:15  | Break  |
| Online Session – 15 (In Turkish)<br>Head of Session: Assoc. Prof. Dr. Bora Goktas  |  |
| 15:15 – 16:15  | The Mediating Role of Trust in Social Media in the Effect of Influencers on Consumers’ Purchasing Actions<br><i>Bora Goktas*</i>   |
|  | The Effect of Advergame (Game Advertising) Applications on Social Networks on Hedonic Consumption<br><i>Meysure Evren Celik Suticer*</i>   |
|  | The Relationship Between Personal Branding and Leadership Metaphor in Digital Innovation<br><i>Yusuf Esmer*</i> , <i>Adnan Kara</i>  |
|  | Transition to the Circular Economy in the European Union: Is It Really Ready?<br><i>Fatma Unlu*</i>  |

|  |   |
|--|---|
|  | Notes Concerning 2x2 Type Quaternion Matrices<br><i>Ramazan Simsek*</i>   |
| 16:15 – 16:30  | Break   |
| Online Session – 16 (In Turkish)<br>Head of Session: Assoc. Prof. Dr. Yusuf Esmer          |   |
| 16:30 – 17:20  | Digital Entrepreneurship Training: E-Learning Platforms and Training Programs for University Students<br><i>Adnan Kara, Yusuf Esmer*</i>          |
|  | The Effect of the Freudian Subconscious on Purchasing Behavior towards Materialistic Values<br><i>Bora Goktas*, Seyran Cinar</i>                  |
|  | Postmodern Language and Discourse: The Example of Ekşi Sözlük<br><i>Nihal Kocaaga, Ensar Lokmanoglu*</i>  |
|  | Measuring the Industry 4.0 Awareness Level of Students in the Field of Engineering and Information Systems<br><i>Sumeyye Selvi, Cagatay Teke*</i> |
|  | Cyprus Issue and Its Effect on Turkey–European Relations<br><i>Ergin Kosunalp*</i>  |
| 17:20 – 17:30  | Break   |
| Online Session – 17 (In English)<br>Head of Session: Assist. Prof. Dr. Erman Kadir Oztekin |   |
| 17:30 – 18:50  | Temperature Analysis with MATLAB PDE Toolbox<br><i>Abderrezak Cherana*</i>  |
|  | Researching the Appropriate Connection Type in the Tower Crane System with Finite Element Analysis<br><i>Abderrezak Cherana*</i>                  |
|  | World Energy Efficiency: Current Status and Strategic Approaches for the Future<br><i>Jamel Titouhi, Saber Bouhdjeur*</i>                         |
|  | Wind Energy, Research on Wind Potential in the World and Tunisia<br><i>Saber Bouhdjeur*, Mohamed Nadir, Abderrahim Amrane</i>                     |
|  | Energy Solutions for a Sustainable Future: Geothermal Energy<br><i>Mohamed Nadir*, Saber Bouhdjeur, Abderrahim Amrane</i>                         |
|  | Renewable Energy Sources: Global Situation and Future Potentials<br><i>Abderrahim Amrane*, Mohamed Nadir, Saber Bouhdjeur</i>                     |
|  | Development of Management Strategy in Universities<br><i>Chief Irukwu Onwuka*</i>   |
|  | Urban, Rural, and Regional Economy: Recommendations for Integration and   |

|  |   |
|--|---|
|  | Sustainable Development<br><i>Nazean Ghazali*</i> |
|--|---|