



Thursday, June 25, 2020 – All schedule is according to GMT +3 time zone (Istanbul)

Welcome Greetings: Eyup Dogan, Chairman, Abdullah Gül University, Turkey (10.00-10.10)

Keynote Speech I: Is There any Fair Energy Use Level? (10.10-10.40)
Ugur Soytaş, Middle East Technical University, Turkey

Keynote Speech II: Compounds of Emerging Concern During Wastewater Treatment and in The Environment: A Case Study on Bisphenols (10.45-11.15)
Ester Heath, Jožef Stefan Institute, Slovenia

Break (11:15-11:30)

Session I: Solar energy and smart grid (11.30-12.55; June 25)

Moderator: Senadjki Abdelhak, Tunku Abdul Rahman University, Malaysia

- **Solar Photovoltaic as a Means to Sustainable Energy Consumption in Malaysia: The Role of Knowledge and Price Value**
Senadjki Abdelhak, Tunku Abdul Rahman University, Malaysia
Lin Sea Lau, Tunku Abdul Rahman University, Malaysia
Suet L. Ching, Tunku Abdul Rahman University, Malaysia
Chee K. Choong, Tunku Abdul Rahman University, Malaysia
Ai Na Seow, Tunku Abdul Rahman University, Malaysia
Yuen O. Choong, Tunku Abdul Rahman University, Malaysia
Chooi Y. Wei, Tunku Abdul Rahman University, Malaysia
- **Maturity Model as an Instrument for Planning socio-technical Innovations in the Smart Grid**
Julia Koehlke, OFFIS- Institute of Information Technology, Germany
Agnetha Flore, OFFIS- Institute of Information Technology, Germany
Johann Schuetz, OFFIS- Institute of Information Technology, Germany
- **Techno-Economic Analysis of 2.5 Mw Large Scale Photovoltaic Grid Connected System in Palestine**
Fadia Hashaika/ Aqra, An-Najah National University, Palestine
Imad Ibrik, An-Najah National University, Palestine
- **The Maturity Model Designetz-Partner as a Tool for Decision-Making in the Smart Grid Domain**
Agnetha Flore, OFFIS-Institute for Information Technology, Germany
Jorge Marx Gomez, Carl von Ossietzky University, Germany
- **Performance Analysis of a Novel Hydrogen Production System Incorporated with Hybrid Solar Collector and Phase Change Material**
Senthil Raja, SRMIST, India
Ganga Devi, SRM University, India
Hasan Koten, Istanbul Medeniyet University, Turkey
Marimuthu R., VIT University, India

- **Design of a V2G Charging Station Coupled with the Malta College of Arts Science and Technology Micro-Grid**

Ahmet Onen, Abdullah Gül University, Turkey
 Reyhane Koubaa, Abdullah Gül University, Turkey
 Yeliz Yoldas, Abdullah Gül University, Turkey

- **Sustainability of Migration Paths for Smart Grids**

Agnetha Flore, OFFIS-Institute for Information Technology, Germany
 Jorge Marx Gomez, Carl von Ossietzky University, Germany

Lunch Break (12:55-13:30)

Session II: Analysis of electricity consumption and generation (13.30-14.45; June 25)

Moderator: Nikolaos Koltsaklis, University of Piraeus, Greece

- **Exploring the Potential Role of Electricity Generation and Electricity Consumption within the EKC Frame-work: An Empirical Investigation for China**
 Zia Ur Rahman, Xiamen University, China
 Mohammad Maruf Hasan, Xiamen University, China
- **Impacts of Electricity Market Clearing Algorithms on Electricity Generation Mixes**
 Nikolaos Koltsaklis, University of Piraeus, Greece
 Ioannis Panapakidis, University of Thessaly, Greece
 Athanasios Dagoumas, University of Piraeus, Greece
- **Turkey's Electricity Trade Relations with Europe: The Role of the EU and the Impact on the Environment**
 Halil Burak Sakal, Cappadocia University, Turkey
- **Ecological and Economic Consequences of Covid-19 in Case of Natural Monopoly over Electricity: the Case of Azerbaijan**
 Gulaliyev Mayis Gulali, Azerbaijan National Academy of Sciences, Azerbaijan
 Mamedova Gulnara Vaqifqizi Azerbaijan National Academy of Sciences, Azerbaijan
- **Tourism, Capital Use and Electricity Consumption**
 Javier Sanchez-Rivas, University of Seville, Spain
 Maria Palo-Romero, University of Seville, Spain
 Antonio Sanchez-Braza, University of Seville, Spain
- **Nexus between Disaggregated Electricity Consumption and CO2 Emission in Turkey: new Evidence from Quantile-On-Quantile Approach**
 Ferhat Citak, Hitit University, Turkey
 Muhammed Yunus Şişman, Dumlupınar University, Turkey.
 Buğra Bağcı, Hitit University, Turkey

Break (14:45-15:00)

Session III: Investigation of energy-environment nexus (15:00-16:15; June 25)

Moderator: Faik Bilgili, Erciyes University, Turkey

- **The Imperative of Biomass Energy Consumption to The Environmental Sustainability of the United States Revisited: Evidence from Rolling-Window Bootstrap Causality Approach**
 Ayesha Bibi, Qingdao University, China
 Xibao Zhang, Qingdao University, China
 Dervis Kirikkaleli, European University of Lefke, Northern Cyprus
 Muhammad Umar, Qingdao University, China

- **The Effect of Information & Communication Technologies and Total Factor Productivity on CO2 Emissions in Top 10 Emerging Market Economies**
Dinara Vashbieva, Financial University under the Government of Russian Federation, Russia
Olga Kalugina, Financial University under the Government of Russian Federation, Russia
Buket Altinoz, Nisantasi University, Turkey
- **New Insight into the Economic Growth Trajectory for South Africa Amidst Pollutant Emission: Accounting for Energy Consumption and Total Natural Resources Rent**
Festus Victor Bekun, Istanbul Gelisim University, Turkey
Andrew Adewale, Istanbul Gelisim University, Turkey
Uju Violet, Istanbul Gelisim University, Turkey
- **Effectiveness of Environmental Management Policies and Influence of Renewable and Non-Renewable Energy Consumption on Environmental Degradation in Developing Asian Countries**
Imran Hanif, University of Management and Technology, Pakistan
Farhat Rasul, University of Management and Technology, Pakistan
- **The Co-Movements between Geothermal Energy Consumption and CO2 Emissions Through High and Low Frequency-Cycles**
Faik Bilgili, Erciyes University, Turkey
Sevda Kuskaya, Erciyes University, Turkey
Pelin Gencoglu, Erciyes University, Turkey
Yacouba Kassouri, Erciyes University, Turkey
Aweng Peter Majok Garang, Erciyes University, Turkey
- **The Nexus among Agriculture Sector Development and Environmental Degradation in 10 Big Emerging Market Economies: Fresh Evidence from Quantile Regression**
Buket Altinoz, Nisantasi University, Turkey

Break (16:15-16:30)

Session IV: Implications of energy (16:30-17:55; June 25)

Moderator: Simona Bigerna, University of Perugia, Italy

- **Calibration of Thermodynamically-compliant Sectoral Production Functions Using Bottom-up Energy Models**
Walid Matar, KAPSARC, Saudi Arabia
- **Diversification Rate of Energy Balance: The Case of Azerbaijan**
Gulsura Mehdiyeva, Azerbaijan National Academy of Sciences, Azerbaijan
Elchin Mustafaye, Azerbaijan Technical University, Azerbaijan
- **The Role of Renewable Energy Consumption in Foreign Trade Balance: Evidence from Income Groups**
Cihat Koksal, Istanbul Commerce University, Turkey
Setareh Katircioglu, University of Kyrenia, Cyprus
Salih Katircioglu, Eastern Mediterranean University, Cyprus
- **What Leads African OPEC Countries Economic Growth: Considering Energy Consumption, Oil Prices, Trade Openness and Urbanization – An ARDL Approach**
Victor Moutinho, University of Beira Interior, Portugal
Mara Madaleno, University of Aveiro, Portugal

- **Determinants of Household Cooking Fuels and Their Impact on Women's Health in Rural Pakistan**
Muhammad Imran, University of Veterinary and Animal Sciences, Pakistan
Orhan Ozcatalbas, Akdeniz University, Turkey
Adia Tallat, University of Veterinary and Animal Sciences, Pakistan
- **US-China Trade War and Africa Strategy Scenarios: Evidence from Energy and Resources Sectors**
Alexey Mikhaylov, Financial University under the Government of Russian Federation, Russia
Jaehyung An, Hankuk University of Foreign Studies, South Korea
- **Oil Import Portfolio Risk and Spillover Volatility**
Simona Bigerna, University of Perugia, Italy
Carlo Andrea Bollino, University of Perugia, Italy
Paolo Polinori, University of Perugia, Italy

Break (17:55-18:00)

Session V: Interaction of environment with key indicators (18:00-19:50; June 25)

Moderator: Rim Meziani, Abu Dhabi University, UAE

- **Environmental Analysis of Turkey's Aggregated and Sector-Level CO2 Emissions**
Hasan Rustemoglu, Cyprus International University, Turkey
- **Analysis of Outdoor Thermal Comfort and Air Pollution the Influence of Urban Morphology in Cold Region Cities Erzurum**
Isik Sezen, Atatürk University, Turkey
Elif Akpınar Kulekci, Ataturk University, Turkey
Sevgi Yilmaz, Ataturk University, Turkey
Mehmet Akif Irmak, Ataturk University, Turkey
- **An Investigation into the Architectural Uses of nanotechnology in Context of Titanium Dioxide**
Hacer Mutlu Danaci, Akdeniz University, Turkey
Neslihan Akin, Akdeniz University, Turkey
- **Resource and Environmental Efficiency in Asian Economies**
Victor Moutinho, University of Beira Interior, Portugal
Mara Madaleno, University of Aveiro, Portugal
- **Evaluation of the Resilience Level of the East Anatolian Cities in Urban Environment Considering Climate Change Scenarios on Turkey**
Isik Sezen, Ataturk University, Turkey
Sevgi Yilmaz, Ataturk University, Turkey
Elif Akpınar Kulekci, Ataturk University, Turkey
- **Municipal Solid Waste (MSW) Management of Kirklareli**
Betul Ozer, Kirklareli University, Turkey
A.Suna Erses Yay, Sakarya University, Turkey
- **The Impact of Urban Development and Climate Change in the Fringe Belts: Case Study of the Eastern Mangroves, Abu Dhabi, UAE**
Rim Meziani, Abu Dhabi University, UAE
Aya Dibaje, Abu Dhabi University, UAE
Bana Eid, Makan Consulting Engineers, UAE
Amal Al Ghifari, Jordanian Consulting Office, UAE
Reem Al Ghifari, Jordanian Consulting Office, UAE

- **Energy and Resource Intensive Industries, Environmental Innovation, Technological Diversity and Productivity: A Patent Analysis for Large International Firms**

Luigi Aldieri, University of Salerno, Italy

Teemu Makkonen, University of Eastern, Finland

Concetto Paolo Vinci, University of Salerno, Italy

- **Is Food Production Vulnerable to Environmental Degradation? A Global Analysis**

Suet Ling Ching, Universiti Tunku Abdul Rahman, Malaysia

Kwang Jing Yii, Swinburne University, Malaysia

Cheong Fatt Ng, Universiti Tunku Abdul Rahman, Malaysia

Chee Keong Choong, Universiti Tunku Abdul Rahman, Malaysia

Lin Sea Lau, Universiti Tunku Abdul Rahman, Malaysia

Friday, June 26, 2020

Keynote Speech III: Diagnostics on PV Cell Defects and Degradation Factors: Identification and Quantification Issues (10.00-10.30)

Socrates Kaplanis, RES laboratory, University of Peloponnese, Greece

Keynote Speech IV: New Directions in Energy and Environmental Economics: Some Hints for Publications (10.35-11.05)

İlhan Ozturk, Cag University, Turkey

Break (11:05-11:15)

Session VI: Discussions on environmental pollution (11:15-12:55; June 26)

Moderator: Qaiser Abbas, Ghazi University Pakistan, Pakistan

- **Do Renewable Energy and Natural Gas Consumption Mitigate CO2 Emissions in the US? New Insights from NARDL Approach**
Ferhat Citak, Hitit University, Turkey
Oğuzhan Batmaz, Colorado College, Usa
Safa Hoş, Hitit University, Turkey
Hakan Uslu, Adıyaman University, Turkey
- **Validity of The Environmental Kuznets Curve Hypothesis for CO2 Emissions**
Bige Kucukefe, Namik Kemal University, Turkey
Nilufer Kaya Kanli, Ege University, Turkey
- **The examining of the linkage between urbanization, economic globalization and environmental pollution in Turkey using dynamic Autoregressive-Distributed Lag simulations**
Buket Altinoz, Nisantasi University, Turkey
Alper Aslan, Erciyes University, Turkey
Mehmet Altuntas, Nisantasi University, Turkey
- **New causative evidence of carbon emissions in China: The role of economic growth, globalization, transportation infrastructure**
Muhammad Umar, Qingdao University, China
Xiangfeng Ji, Qingdao University, China
Dervis Kirikkaleli, European University of Lefke, Cyprus
Ayesha Bibi, Qingdao University, China
- **High Spatial Resolution IoT Based Air PM Measurement System**
Kutay Icoz, Abdullah Gul University, Turkey
Fasih M. Malik, Abdullah Gul University, Turkey
Ebru Icoz, Abdullah Gul University, Turkey
- **Are globalization, bio-capacity and economic growth matter for an ecological footprint in China?**
Dervis Kirikkaleli, European University of Lefke, Northern Cyprus
Chi-Wei Su, Qingdao University, China
Ahsan Naseer, Qingdao University, China
Muhammad Umar, Qingdao University, China
- **A CO2 Emission Analysis for Passenger Cars in Turkey**
Adem Ugurlu, Kirklareli University, Turkey
- **Control of Carbon Emission by Promoting Economic Growth and Renewable Energy in Newly Emerging Economic Block**
Qaiser Abbas, Ghazi University Pakistan, Pakistan
Robina Iram, Jiangsu University, China

Lunch (12.55-13:30)

Session VII: The role in green performances (13:30-14:55; June 26)

Moderator: Mara Madaleno, University of Aveiro, Portugal

- **American Experience in the Implementation of Green Building Tax Incentives and Its Possible Outcomes for Turkey from Energy Saving Perspective**
Mustafa G. Kaya, St. Cloud State University, USA
Patricia Hughes, St. Cloud State University, USA
- **The nexus between green innovation and green growth: Empirical evidence from OECD countries**
Ali Gökhan Yücel, Erciyes University, Turkey
Recep Ulucak, Erciyes University, Turkey
Ahmet Köseoğlu, Erciyes University, Turkey
- **The Relationship Among Ecological Urbanization, Green Space and Air Pollutions in Erzurum**
Isik Sezen, Ataturk University, Turkey
Sevgi Yilmaz, Ataturk University, Turkey
Elif Nur Sari, Istanbul University, Turkey
- **Eco-Innovation Incentives and Impacts Over Firm Performance: A European Perspective**
Mara Madaleno, University of Aveiro, Portugal
- **Impact of Green Economy on Procyclicality of CO2 Emissions and Business Cycles**
Nilufer Kaya Kanli, Ege University, Turkey
Bige Kucukefe, Namik Kemal University, Turkey
- **Green Entrepreneurship: A Strategy of Entrepreneurship in Development of Eco-Tourism**
Anastasia Suprapti, Universitas Sebelas Maret, Indonesia
Rahmawati Rahmawati, Universitas Sebelas Maret, Indonesia
Sarah Rum Handayani, Universitas Sebelas Maret, Indonesia
Sri Wahyu Agustiningih, Universitas Veteran Bangun Nusantara, Indonesia
Putu Sudira, Universitas Sebelas Maret, Indonesia
- **Where is the gray side of green growth? Multinational evidence from multinational approach**
Mehmet Demiral, Niğde Ömer Halisdemir University, Turkey
Ozge Demiral, Niğde Ömer Halisdemir University, Turkey

Break (14:55-15:00)

Session VIII: Interaction of energy with key indicators (15:00-16:25; June 26)

Moderator: Hooi Hooi Lean, Universiti Sains Malaysia, Malaysia

- **The Role of Financial System in Energy Demand: Evidence from Developed and Developing Countries in Comparison**
Cihat Koksall, Istanbul Commerce University, Turkey
Setareh Katircioglu, University of Kyrenia, Cyprus
Salih Katircioglu, Eastern Mediterranean University, Cyprus
- **Asymmetric Impact of Oil Price and Exchange Rate on Disaggregation Price Inflation**
Hooi Hooi Lean, Universiti Sains Malaysia, Malaysia
Dzul Hadzwan Husaini, Universiti Malaysia Sarawak, Malaysia
- **Intellectual Property Protection, Technological Innovation and Energy Intensity: Some Evidence from China**
Xianchun Liao, University of Jinan, China

- **The Impact of Temperature Anomalies on Energy and Agricultural Commodity Futures**
Dilvin Taskin, Yasar University, Turkey
Efe Cagli, Dokuz Eylul University, Turkey
Pinar Evrim, Dokuz Eylul University, Turkey
- **Market Inertia and Renewable Energy Target: A Lesson from Indonesia**
A Sutrisno, School of Innovation Sciences TU Eindhoven, Netherlands
A.O. Moeis, University of Indonesia and Indonesia Smart Grid Initiative, Indonesia
E. Widiono, Indonesia Smart Grid Initiative, Indonesia
B.A. Jafino, TU Delft, Jaffalaan, Delft, Technology Policy TU Delft
- **Renewable Energy Community and the European Energy Market: Main Motivations**
Marta Ferreira Dias, University of Aveiro, Portugal
Susana Soeiro, University of Aveiro, Portugal
- **Individual Household Acceptance and Willingness to Pay for Renewable Energy in Malaysia: A Contingent Valuation Approach**
Azlina Abd Aziz, Universiti Malaysia Terengganu, Malaysia
Mahirah Kamaludin, Universiti Malaysia Terengganu, Malaysia

Break (16:25-16:30)

Session IX: Sustainability and environment (16:30-17:55; June 26)

Moderator: Lin Sea Lau, Universiti Tunku Abdul Rahman, Malaysia

- **Environmental Awareness of University Students and Role of Universities in terms of Sustainability**
Mehmet Karay, Final International University, Cyprus
Nezahat Doğan, Final International University, Cyprus
- **Obesity Kuznets Curve Hypothesis and Global Warming: A Robust Estimation under Cross Section Dependence**
Lin Sea Lau, Universiti Tunku Abdul Rahman, Malaysia
You How Go, Universiti Tunku Abdul Rahman, Malaysia
Cheong Fatt Ng, Universiti Tunku Abdul Rahman, Malaysia
Thian Hee Yiew, Universiti Tunku Abdul Rahman, Malaysia
- **Evaluation of Adaptation and Mitigation Works in Urban Areas to Climate Change Considering Spatial Planning and Design Principles**
Elif Akpınar Kulekci, Ataturk University, Turkey
Suleyman Toy, Ataturk University, Turkey
Isik Sezen, Ataturk University, Turkey
- **The Research and Economics Expansion in the European Countries: What are the Environmental Implications?**
Andrew Adewale, Istanbul Gelisim University, Turkey
Festus Victor Bekun, Istanbul Gelisim University, Turkey
- **Application of sustainable development in food industry**
Mehrshad Radmehr, University of Cyprus International, North Cyprus
Mohamad El Ayoubi, University of Cyprus International, North Cyprus
- **The Long-run and Short-run Influence of Environmental Pollution, Energy Consumption and Economic Activities on Health Quality in Developing Countries**
Majed Alharthi, King Abdulaziz University, Saudi Arabia
Imran Hanif, University of Management and Technology, Pakistan

- **Checking Thermal Confort Ranges in a Winter City, Erzurum, Turkey through Questionnaire Survey in Winter Time**
Elif Akpınar Kulekci, Ataturk University, Turkey
Suleyman Toy, Ataturk University, Turkey
Isik Sezen, Ataturk University, Turkey

Break (17:55-18:00)

Session X: Economic discussions (18:00-19:40; June 26)

Moderator: Rahmawati Rahmawati, Universitas Sebelas Maret, Indonesia

- **Can Economics Growth be Sustained Forever? An Australian Case Study**
Hasan Rustemoglu, Cyprus International University, Cyprus
- **Personality Of Internal Stakeholders and Succes Of Wayang Kulit Performances**
Warsina Warsina, Universitas Sebelas Maret, Indonesia
Evi Gantjowati, Universitas Sebelas Maret, Indonesia
Jaka Winarna, Universitas Sebelas Maret, Indonesia
Rahmawati Rahmawati, Universitas Sebelas Maret, Indonesia
- **Regional Assessment of Circular Economy: A Proposal on the Case of Portuguese Municipalities**
Marta Ferreira Dias, University of Aveiro, Portugal
Rui Silva, University of Aveiro, Portugal
Mara Madaleno, University of Aveiro, Portugal
- **The Acculturation of Islamic and Java Culture That Has an Impact on Human Capital in Industry in Industry in Kudus City**
Dwi Soegiarto, Universitas Sebelas Maret, Indonesia
Indrian Supheni, Universitas Sebelas Maret, Indonesia
Rahmawati Rahmawati, Universitas Sebelas Maret, Indonesia
Warsina Warsina, Universitas Sebelas Maret, Indonesia
- **Proposal for Rural Community Tourism in The Regional Natural Park "Serrania De Las Quinchas", Boyacá, Colombia**
Alejandra Castro Ortegon, Universidad Santo Tomas Seccional Tunja, Colombia
Pedro Mauricio Acosta Castellanos, Universidad Santo Tomas Seccional Tunja, Colombia
Juan Esteban Quevedo Mora, Universidad Santo Tomas Seccional Tunja, Colombia
Karen Barrera Moreno, Universidad Santo Tomas Seccional Tunja, Colombia
- **The Role of Corporate Social Responsibility in Mediating the Relationship between Accrual and Real Based Earnings Manipulations and Company Performance**
Rahmawati Rahmawati, Universitas Sebelas Maret, Indonesia
Dyah Sawitri, Universitas Gajayana, Indonesia
Suwarno Suwarno, Universitas Sebelas Maret, Indonesia
- **Contribution of Crypto Money and Blockchain to Financial Inclusion**
Cheikhou Thiam, Universite de THIES, Senegal
Mamadou Mbaye, Universite de THIES, Senegal
- **Development Edu Tourism Natural Color with Cow Powder Batik Bantul Yogyakarta**
Fitri Susilowati, Universitas PGRI Yogyakarta, Indonesia
Rahmawati Rahmawati, Universitas Sebelas Maret, Indonesia
Soenarto Soenarto, Universitas Neger Yogyakarta, Indonesia
Warsina Warsina, Universitas Sebelas Maret, Indonesia
Ardi Gunardi, Universitas Pasundan, Indonesia

Saturday, June 27, 2020

Keynote Speech V: COVID-19 and the Future of Energy Transition (10.00-10.30)
Roula Inglesi-Lotz, University of Pretoria, South Africa

Session XI: Smart grids, power and photovoltaics (10:35-12:10; June 27)

Moderator: Ahmet Onen, Abdullah Gül University, Turkey

- **Research on the Influence of Tilt Angle, Thermal Collector Design and Heat Transfer Fluid on the Performance of Hydrogen Production System Incorporated with Photovoltaic – Thermal (PVT) Solar Collector: An Experimental Study**
Senthil Raja, SRMIST, India
Ganga Devi, SRM University, India
Hasan Koten, Istanbul Medeniyet University, Turkey
Marimuthu R., VIT University, India
- **Market Formation in Solar and Wind Electricity Generation in Turkey: Technological Innovation System Approach**
Yelda Erden Topal, Universidad Politécnica de Madrid, Spain and Middle East Technical University, Turkey
Erkan Erdil, Middle East Technical University, Turkey
- **Optimal Energy Management for Microgrid of a University Campus**
Ahmet Onen, Abdullah Gül University, Turkey
Yeliz Yoldas, Abdullah Gül University, Turkey
Selcuk Goren, Abdullah Gül University, Turkey
Lenos Hadjidemetriou, KIOS Research and Innovation Center of Excellence, Cyprus
Apostolos Tsolakis, Information Technologies Institute, Center for Research & Technology Hellas, Greece
Ala Khalifeh, GJU, Jordan
Jose Luis Martinez Ramos, University of Seville, Spain
Brian Azzopardi, MCAST Energy Research Group, Malta
Mounir Khat, ENP d'ORAN, Algeria
Nis Martensen, Energynautics GmbH, Germany
- **Development of Migration Paths for Smart Grids using a Case Study**
Agnetha Flore, OFFIS-Institute for Information Technology, Germany
Jorge Marx Gomez, Carl von Ossietzky University, Germany
- **Short-term photovoltaics generation forecasting using a deep learning architecture**
Ioannis Panapakidis, University of Thessaly, Greece
Nikolaos Koltsaklis, University of Piraeus, Greece
Athanasios Dagoumas, University of Piraeus, Greece
- **A statistical analysis of cross-border power flows based on system marginal price differentials between two power systems**
Eleftherios C. Venizelosa, University of Piraeus, Greece
Nikolaos S. Koltsaklis, University of Piraeus, Greece
Athanasios S. Dagoumas, University of Piraeus, Greece
- **Financial Stability of Power Sector**
Olga Kalugina, Financial University under the Government of Russian Federation, Russia
- **Procedure Concept for the Development of Migration Paths for Smart Grids: from Model to Practice**
Mathias Uslar, OFFIS-Institute for Information Technology, Germany
Agnetha Flore, OFFIS-Institute for Information Technology, Germany
Jorge Marx Gomez, Carl von Ossietzky University, Germany

Break (12:10-12:20)

Session XII: Analysis of water (12:20-12:55; June 27)

Moderator: Brigid Pacheco Garcia, Universidad Santo Tomas-Seccional Tunja, Colombia

- **Optical Detection of Microplastics in Water**
Kutay Icoz, Abdullah Gul University, Turkey
Ahmet Hakan Iri, Abdullah Gul University, Turkey
Malek Hamid Ahmed Shahrah, Abdullah Gul University, Turkey
Ali Mohammed Ali, Abdullah Gul University, Turkey
Sayed Areeb Qadri, Abdullah Gul University, Turkey
Talha Erdem, Abdullah Gul University, Turkey
Ibrahim Ozdur, Abdullah Gul University, Turkey
- **Water Resources in Agricultural Crops: Improving the Use in the Presence of Climate Variability**
Sabrina Auci, University of Palermo, Italy
Donatella Vignani, ISTAT-Italian Institute of Statistics, Italy
- **Evaluation of The Biosolid Biotransformation Process Procedures of The Tunja Residual Water Treatment Plant - Boyacá, Through Compostation with Addition of Beetle Larvae**
Brigid Pacheco Garcia, Universidad Santo Tomas-Seccional Tunja, Colombia
Pedro Mauricio Acosta Castellanos, Universidad Santo Tomas-Seccional Tunja, Colombia
Luz Angela Cuellar Rodriguez, Universidad Santo Tomas-Seccional Tunja, Colombia
Claudia Rocio Suarez Castillo, Universidad Santo Tomas-Seccional Tunja, Colombia

Lunch (12.55-13:30)

Session XIII: Studies on the modeling (13:30-14:55; June 27)

Moderator: Petru Cardei, INMA Bucharest, Romania

- **Analysis of Outdoor Thermal Comfort Conditions Street Scenarios Using ENVI-Met Model**
Elif Akpınar Kulekci, Ataturk University, Turkey
Sevgi Yılmaz, Ataturk University, Turkey
Basak Ertem Mutlu, Ataturk University, Turkey
Isik Sezen, Ataturk University, Turkey
- **Looking for an Optimal Workforce Allocation Between Sectors in Algeria at the 2030 Horizon Using Fuzzy Goal Programming Approach**
Mohammed Seghir Guellil, University of Mascara, Algeria
Mohamed Hadj Ahmed, University of Mascara, Algeria
Samir Ghouali, Laboratoire STIC, Algeria
Mostefa Belmpkaddem, University of Tlemcen, Algeria
- **A Mathematical Model for a Process of Compacting Granular Materials**
Petru Cardei, INMA Bucharest, Romania
Valentin Vladut, INMA Bucharest, Romania
Cornelia Muraru-Ionel, INMA Bucharest, Romania
Luliana Gageanu, INMA Bucharest, Romania
- **Investigation Thermal Degradation Kinetics and Mechanisms of Chicken Manure, Lignite and Their Blends by TGA**
Sema Yurdakul, Suleyman Demirel University, Turkey
Remzi Akman, Suleyman Demirel University, Turkey
Enes Onur, Suleyman Demirel University, Turkey
Baris Gurel, Suleyman Demirel University, Turkey
Murat Varol, Akdeniz University
Habib Gurbuz, Suleyman Demirel University, Turkey

- **Teaching the Effects of Climatic Elements on Landscape Planning and Design Projects to Landscape Architecture Students**

Suleyman Toy, Ataturk University, Turkey

Elif Akpınar Kulekci, Ataturk University, Turkey

Isik Sezen, Ataturk University, Turkey

- **Minimization of Gas Turbine Engine Emissions by BSA Algorithm Based ANN Model**

Mehmet Konar, Erciyes University, Turkey

Muhammed Osman Aktas, National Defense University, Turkey

- **Complex Constitutive Equations for Granular Materials in Compression Processes**

Petru Cardei, INMA Bucharest, Romania

Mihai Matache, INMA Bucharest, Romania

Sebastian Muraru, INMA Bucharest, Romania

Luliana Gageanu, INMA Bucharest, Romania

Break (14.55-15:00)

Session XIV: Studies on the economic analysis (15:00-16:55; June 27)

Moderator: Evi Gravitiani, Sebelas Maret University, Indonesia

- **Influence of Employee Status, Education Level, and Working Experience on the Commitment and Implications on the Performance of the Satuan Polisi Pamong Praja at Probolinggo District**
Dyah Sawitri, Gajayana University, Indonesia
Abu Asmara, Gajayana University, Indonesia
Umi Muawanah, Gajayana University, Indonesia
- **Does Perception on E-Money Influence Toward Cashless Society? Case Study on University Student in Central Java Indonesia**
Erni Umami Hasanah, Janabadra University, Indonesia
Evi Gravitiani, Sebelas Maret University, Indonesia
Danang Wahyudi, Janabadra University, Indonesia
- **Tunneling via Related Party Transactions Lending: Evidence from Indonesian Family Business**
Ign. Novie Endi Nugroho, Universitas Sebelas Maret, Indonesia
Rahmawati Rahmawati, Universitas Sebelas Maret, Indonesia
Bandi Bandi, Universitas Sebelas Maret, Indonesia
- **Regionalization of IDF curves by interpolating the intensity and adjustment parameters: application to Boyacá, Colombia, South America**
Pedro Mauricio Acosta Castellanos, Universidad Santo Tomas Seccional Tunja Colombia
Alejandra Castro Ortegón, Universidad Santo Tomas Seccional Tunja Colombia
Carlos Andres Caro Camargo, Universidad Santo Tomas Seccional Tunja Colombia
- **The Implementation of Children Friendly School to Realize Javanese Cultural Character Based Social Environment**
Siti Supeni, Slamet Riyadi University, Indonesia
Lydia Ersta, Slamet Riyadi University, Indonesia
Oktiana Handini, Slamet Riyadi University, Indonesia
- **Increasing Competitiveness through Middle Medium Business Management of the Batik Facing Industry 4.0**
Siti Nurlaela, University Islamic Batik of Surakarta, Indonesia
Bambang Mursito, University Islamic Batik of Surakarta, Indonesia
Pramono hadi, University Islamic Batik of Surakarta, Indonesia
Rahmawati Rahmawati, Sebelas Maret University, Indonesia
Edi Kurniadi, Sebelas Maret University, Indonesia

- **Valuation on Economics and Carrying Capacity for Sustainable Tourism on Cemara Beach**
Evi Gravitiani, Universitas Sebelas Maret, Indonesia
Zulrohmi Boa, Institute of Technology Yogyakarta, Indonesia
- **A Look at Indices Evaluating Climatic Characteristics for Tourism Activities in the Sample of Erzurum City to Discuss A Turkey's Climate Index for Tourism**
Isik Sezen, Ataturk University, Turkey
Suleyman Toy, Ataturk University, Turkey
Elif Akpınar Kulekci, Ataturk University, Turkey

The end of sessions