# ICERE 2015

**20 May**

**Grand Hotel Wien**

**room 7-8**

**Session Chair Dr. Tatishvili**

# Oral Presentations

|  |  |  |
| --- | --- | --- |
| 10.20-11.30 |  | Registration, posters fixed |
|  |  | Coffee, tea, Poster Presentations |
| 11.30- 11.40 | Elena Ringo  Org. Committee | **Conference Opening** |
| 11.40- 12.00 | Marika Tatishvili  Org. Committee | Hazardous Hydrometeorological Events in Georgia under Global Climate Change Conditions |
| 12.00-12.15 | Nicolas Pardo Garcia | CITYOPT – Holistic Simulation and Optimisation of Energy in Smart Cities – Vienna Study Case. |
| 12.15-12.30 | Aiying Rong | Polygeneration and Sustainable Energy System Development |
| 12.30-12.45 | Rochelle Joie | Optimization of Lipid Extraction and Characterization of Fatty Acid, Unsaponifiable Fraction and Total Phenolic Content of Chlorella Vulgaris Beijerinck |
| 13.00-13.15 | Peiwang Zhu | Coal ash utilization of extracting aluminum by an acid method. |
| 13.00-13.15 | Pablo Ferrada | Evaluation of solar resource and environmental conditions in the coastal line of Atacama Desert (Chile) for the implementation of photovoltaic plants |
| 13.15-13.30 | Pierre Collet | Techno-economic and GHG assessments of methane production via biogas upgrading and power to gas technology |
| 13.30-13.45 | Louis Boateng | Some Physiochemical and Heavy Metal Concentration in Surface  Water Streams of Tutuka in the Kenyasi Mining Catchment Area |
| **14.00-15.00** |  | **Lunch Break** |
| 15.00-15.15 | **Don-min Lee** | A study on the characteristics of biodiesel derived from micro-algae under accelerated oxidation conditions. |
| 15.15-15.30 | Le Viet Trung  Tran Khanh Viet Dung | Wind Power Development In Vietnam:  Solutions To Reduce Generation Cost |
| 15.30-15.45 | Wiroj Taweepworadej | Vehicle Routing Problem for Electric Bus Energy Consumption Estimation |
| 15.45-16.00 | N. C. Kokkinos | Production, properties and characterization of biodiesel from selected indigenous microalgae strains of Northern Greece |
| 16.00-16.15 | Cihan Yıldırım | Energy and Exergy Analysis of a Solar Air Collector Having a  Roughened Absorber with Circular Protrusions |
| 16.15-16.30 | Dr. Amr Abdel Kader | A Novel Control Scheme for Pitch Regulated Vertical Axis Wind Turbines |
| 16.30-16.45 | Ping Xu | Feng-shui as a Clue: Identifying the Landform Patterns of Heavy Impact Areas and Surviving Sites from the 2013 Historic Floods in Boulder County and Nearby Areas, Colorado, USA |
| 16.45-17.00 | Nabeel Alabbas | Saudi Arabia’s Domestic Energy Situation and Policy: Focusing on Demand Side Management on Residential and Commercial Buildings |
| 17.00-17.15 | Bongkoj Sookananta | Electric Bus Transit Shortest Path and Least Energy Consumption Path Based on Traffic Conditions |
| 17.15- 18.30 |  | Poster Presentations |
|  |  | **21 May**  Grand Hotel Wien  **Room 7-8** Oral Presentations **Session Chair Dr Liandong Zhu** |
| 11.15-11.30 | Monther Nimri | Geothermal system: a pioneer project at the The American university of Madaba |
| 11.30-11.45 | Meshal AL Johani | TiO2 / ZnO Photocatalytic Activity for Hydrogen Production |
| 11.45-12.00 | Sinan Caliskan | Heat transfer enhancement in a channel with new longitudinal vortex generators |
| 12.00-12.15 | Mehmet Eren | Experimental investigation of impingement heat transfer on a smooth and helical shaped ribs plate |
| 12.15-12.30 | A. Choukulkar | Uncertainty Characterization of Coherent Doppler Lidar for Wind Forecast Improvement |
| 12.30-12.45 | Kanlayani Charoensopharat | Isolation and Screening of Thermotolerant Yeasts for Ethanol Production From Edible Local Fruits in Thailand |
| 13.00-13.15 | Liandong Zhu | Microalgae Cultivation with Livestock Waste for Continuous Production of Biofuels |
| 13.15-13.30 | A. Bonanni | Wind Farm Optimization Based on  CFD Simulation of Non-Flat Terrain |
| 13.30-13.45 | Moussadek Djenane | Towards a multiscale microclimatic characterization of urban forms in desert cities. Case of Beni Isguen (Algeria) |
| 14.00-14.00 | Pietropaolo Morrone | Biomass energy conversion in Combined Cycle Systems: a techno-economic analysis |
| **14.00-14.30** |  | **Coffee and tea break** |
| 14.30-14.45 | Gherfi Abdelhad | Experimental investigation of mechanical and thermal properties of a new biosourced insulation material |
| 14.45-15.00 | Donnalyn Cabaces, | Development of Biogas Scrubber Using Water Purification System |
| 15.00-15.45 | Khanji Harijan | Comparative Study of Diesel and Bi-Fuel Water Pumping Systems - A Case Study Of Mirpurkhas, Pakistan |
| 15.45-16.00 |  | **Coffee break** |
| 16.00-16.15 | Yu-Jen Chiu | The Influences of the Physical Parameters on the Performance of a Methanol Steam Reformer |
| 16.15-16.30 | A. E. Kabeel | Applications Used to Decreasing the Energy Used in Home Building |
| 16.30-16.45 | Hamidreza Esfehani | Modeling And Analysis Of Energy Load Management Using Advanced Off-Peak Heat Pump System With Thermal Storage Under Different Weather Conditions |
| 16.45-17.00 | Samar Alqatari | Cost and Performance Comparative Model for Dust Mitigation Technologies for Solar PV in Saudi Arabia |
| 17.00-17.15 | Sangdao Wongsai | The challenges in achieving biodiesel target of renewable energy policy in Thailand |
| 17.15-17.30 | Selmin ENER RUŞEN | The performance evaluation of a new model which based on bright sunshine hours and satellite imagery, for the estimation of daily global solar radiation for two locations in Turkey |