

**International Conference on Energy, Environment and Economics (ICEEE 2018) 14-16 August 2018
Edinburgh Conference Centre, Heriot-Watt University, Riccarton, Edinburgh, EH14 4AS, United Kingdom**

Day 1-14th August 2018

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| Registration | 17:00 – 18:00 PM | College Lounge, Conference Centre |
| Welcome Dinner | 18:00 PM - | College Lounge, Conference Centre |

Day 2- 15th August 2018

| Talks (09:00 AM- 10:45AM) | | | |
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| Title | Presenter | Time | Room Number |
| Heading towards clean and sustainable ELECTRICITY SYSTEMS | Reinhard Haas | 09:00 – 09:40 AM | PG Auditorium |
| Review of sustainable development of the road transport sector – are there geographical differences? | Maria Johansson | 09:40 – 10:00 AM | PG Auditorium |
| New software tool to characterize photovoltaic modules from commercial equipment | Mariano sidrach de Cardona | 10:00 – 10:20 AM | PG Auditorium |
| Questions and discussions | | 10:20 – 10:30 AM | PG Auditorium |
| Tea Break | | 10:30 – 11:00 AM | Restaurant/cafeteria |
| Technical Session 1 (11:00 AM– 13:00 PM) | Session Chair: Reinhard Hass | | |
| Window assessment at different level height on a Portuguese typical street canyon | Jorge S. CARlos | 11:00 – 11:20 AM | PG Auditorium |
| Numerical Study on Finned Latent Heat Storage for Tri-generation System | Guangya Zhu/Tin Tai CHOW | 11:20 – 11:40 AM | PG Auditorium |
| Avoiding financial lock-in effects in case of a stepwise energy renovation of social housing in Flanders | Els Van de moortel | 11:40 – 12:00 PM | PG Auditorium |
| Use of Compressed Air Energy Storage for Flexible Operation of Gas Turbines | Tong Seop | 12:00 – 12:20 PM | PG Auditorium |
| Organometal halide perovskite-based optoelectronic devices | Ian Bu | 12:20 – 12:40 PM | PG Auditorium |
| Questions and discussions | | 12:40 – 13:00 PM | PG Auditorium |
| Lunch | 13:00 – 14:00 PM | | Restaurant/cafeteria |
| Technical Session 2 (14:00 PM – 15:30 PM) | Session Chair: Nadim Reza Khandaker | | |
| Investigation and improvement of Microbial Electrolysis Cell (MEC) devices for hydrogen generation | Shmuel Rozenfeld | 14:00 – 14:20 PM | PG Auditorium |

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| Peak Load Shaving in Kuwait Utilizing High Concentrated Photovoltaic Systems | Adel A. Ghoneim | 14:20 – 14:40 PM | PG Auditorium |
| Use of innovative low carbon materials for sustainable energy-efficient housing in Nigeria | Abiodun O. Olotuah | 14:40 – 15:00 PM | PG Auditorium |
| Coupling a sunspace to a hyper insulated building: Field tests of different configurations to optimize the energy and comfort performance | Giulia Ulpiani | 15:00 – 15:20 PM | PG Auditorium |
| Questions and discussions | | 15:20 – 15:30 PM | PG Auditorium |
| Tea Break | 15:30 – 15:50 PM | | Restaurant/cafeteria |
| Technical Session 3 (15:50 PM – 17:20 PM) | | Session Chair: Amela Ajanovic | |
| Impact analysis of energy efficiency measures in the electrolysis process in primary aluminium production | Joakim Haraldsson | 15:50 – 16:10 PM | PG Auditorium |
| Concept for energy harvesting from the salinity gradient on the basis of geothermal water | Barbara Tomaszewska | 16:10 – 16:30 PM | PG Auditorium |
| Co-pyrolysis of oily waste using wood biomass for improved energy | Jianbing Li | 16:30 – 16:50 PM | PG Auditorium |
| Modification of breakage-classification flowsheet of coal power plant by industrial sampling and experimental tests for energy saving | Yaqun He | 16:50 – 17:10 PM | PG Auditorium |
| Questions and discussions | | 17:10 – 17:20 PM | PG Auditorium |
| Picnic at Calton Hill in Edinburgh-Everyone invited bring your spouse, partners from 7 PM onwards (Meeting at Rabbi Café Bar EH1 3EG-Princess Street, then walking to Calton Hill; Drinks/Snacks will be provided) | | | |
| Day 3- 16th August 2018 Invited Talks- PG Auditorium | | | |
| Invited Talks (09:00 AM – 10:30 AM) | | Session Chair: Francesco Masciarelli | |
| Prospects for Clean And Renewable fuels in transport in EUROPE | Amela Ajanovic | 09:00 – 09:45 AM | PG 201 |
| Next Generation Brine Desalination and Management for Efficiency, Reliability, and Sustainability | Bader AlAnzi | 09:45 – 10:30 AM | PG 201 |
| Questions and discussions | | 10:30 – 10:40 AM | PG 201 |
| Tea Break | 10:40 – 11:00 AM | | Restaurant/cafeteria |
| Day 3- 16th August 2018 Parallel Technical Sessions- Lecture Room 1 | | | |
| Technical Session 4 (11:00 AM – 12:30 AM) | | Session Chair: Bader AlAnzi | |
| Effectiveness of Different Strategies in the Retrofit of Italian School Buildings: Influence of Thermal inertia and Solar Control | Antonio Carbonari | 11:00 – 11:20 AM | PG 201 |

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| Combustion-induced buoyancy effect on the noise pollution in diffusion flames | Caiyi Xiong | 11:20 – 11:40 AM | PG 201 |
| Analysis of self-sufficiency and self-consumption for PV installations for different locations | Llanos Mora-López/ F. Sánchez-Pacheco | 11:40 – 12:00 PM | PG 201 |
| Energy losses estimation in Low Voltage Smart Grids by using Loss Maps (Video presentation) | Jose Angel Velasco | 12:00 – 12:20 PM | PG 201 |
| Questions and discussions | | 12:20 – 12:30 PM | PG 201 |
| Lunch | 12:30 – 13:30 PM | | Restaurant/cafeteria |
| Technical Session 5 (13:30 PM – 15:00 PM) | Session Chair: Ahmed A. Y. Freewan | | |
| Giant Reed as a substitute for coal in cane cogeneration power plant (Video presentation) | Abdel Khoodaruth | 13:30 – 13:50 PM | PG 201 |
| Review of energy conservations policy and alternative solutions in gulf countries (Video presentation) | Hani Sait | 13:50 – 14:10 PM | PG 201 |
| Passive and Active Solar Strategies Numerical Simulation Applied in University Canteen with Complex Topology | Eusébio Conceição | 14:10 – 14:30 PM | PG 201 |
| Sustainable systemic urban planning: principles and trends | Francesco Masciarelli | 14:30 – 14:50 PM | PG 201 |
| Questions and discussions | | 14:50 – 15:00 PM | PG 201 |
| Tea Break- | 15:00 – 15:30 PM | | Restaurant/cafeteria |
| Technical Session 6 (15:30 PM – 17:30 PM) | Session Chair: Francesco Masciarelli | | |
| Carbon Tax on Three Fossil Fuels | James P Stodder | 15:30 – 15:50 PM | PG 201 |
| Development and utilization for the classical JK energy-size reduction model in coal breakage | Weining Xie | 15:50 – 16:10 PM | PG 201 |
| Delivering Electricity Market Insights in Northern Italy | Filippo Del Grosso | 16:10 – 16:30 PM | PG 201 |
| Questions and discussions | | 16:30 – 16:40 PM | PG 201 |
| Awards and Vote of thanks - Drinks | 16:40 – 17:00 PM | | |
| Day 3-16th August 2018 Parallel Technical Sessions | | | |
| Technical Session 7 (11:00 AM – 12:30 PM) | Session Chair: | | |
| Design and Installation of Controlled Drip Irrigation System | Aeeman Soomro/ Tanweer Hussain | 11:00 – 11:20 AM | PG 202 |
| Facile Water Electrocatalysis on Glassy Carbon Electrode Supported with Doped Lanthanum Cerates | Naveed Kausar Janjua | 11:20 – 11:40 AM | PG 202 |

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| Generation of energy and daylight efficient architecture solutions depending on building forms | Ahmed A. Y. Freewan | 11:40 – 12:00 PM | PG 202 |
| Life cycle analysis and economic evaluation of microalgae-to-biofuel systems | Wei Wu | 12:00 – 12:20 PM | PG 202 |
| Questions and discussions | | 12:20 – 12:30 PM | PG 202 |
| Lunch | 12:30 – 13:30 PM | | Restaurant/cafeteria |
| Technical Session 8 (13:30 PM – 15:00 PM) | Session Chair: Barbara Tomaszewska | | |
| Latent Heat from Rice Cooking to Disinfect Drinking water | Nadim R. Khandaker | 13:30 – 13:50 PM | PG 202 |
| Evaluation of the Cooling Load Reduction Measures of an Airport located in the southern hemisphere (Video presentation) | Abdel Khoodaruth | 13:50 – 14:10 PM | PG 202 |
| Impact of Refrigerant (CFC's) on Climate Change | Anil Kumar | 14:10 – 14:30 PM | PG 202 |
| Activating de novo triacylglycerol synthesis in oleaginous yeast for improved bio-diesel quality | Farha Deeba | 14:30 – 14:50 PM | PG 202 |
| Questions and discussions | | 14:50 – 15:00 PM | PG 202 |
| Tea Break- | 15:00 – 15:30 PM | | Restaurant/cafeteria |
| Technical Session 9 (15:30 PM – 17:30 PM) | Session Chair: Nadim Reza Khandaker | | |
| Solar thermal plants coupled with a thermal storage – a review of thermal storage options | VK Sethi | 15:30 – 15:50 PM | PG 202 |
| Optimizing the best fuel mix to reduce SOx and NOx emissions from electric systems in Kuwait | Ahmed Aly | 15:50 – 16:10 PM | PG 202 |
| Energy consumption and comfort evaluation in a desk equipped with multi-personalized ventilation system | Eusébio Conceição | 16:10 – 16:30 PM | PG 202 |
| Questions and discussions | | 16:30 – 16:40 PM | PG 202 |
| Awards and Vote of thanks - Drinks | 16:40 – 17:00 PM | | |

Posters:

Please submit your poster at reception during registration or second day of the event.

Note for the Poster

Delegates presenting the poster, please bring the printed poster of A1 size. Please deposit them at reception. Poster will be displayed during tea/coffee breaks.

Berta Niazov - Mechanochemical Production and Fermentation of Soluble Saccharides from Plant Biomass for Bioethanol Production

Ravit Farber - Biofilm formation on cold plasma pretreated agricultural waste

Taher Ahmed-Indoor air pollution levels in public buildings: including TPS, PM10 PM2.5

Jinchao Li- Establishment of evaluation index system for synergistic monitoring effect of air pollution prevention and control in Jing-Jin-Ji area

Wenjun Chen- Effect Evaluation of Cooperative Supervision on Air Pollution Prevention and Control Based on Multi-Criteria Decision Making

Yunna Wu-The Mode Discrimination of the Real Time Data of Air Pollution Supervision

Delegates:

Lisa Fournier

Note for the Session Chair

Every presentation comprises 20 minutes including presenter's introduction from Session Chair

Session Chair Responsibility:

- Introduce the presenters to audience
- To run and finish session on time and give reminder to presenter 5 minutes and 2 minutes during their time slot
- Invite all the presenters to panel for 10 minutes questions/discussion at the end of all presentations.
- If speaker is not available, please use extra time among other speakers.

Video Conference

Delegates attending the event by video conferencing will be send the link nearer the time. They will be able to see and ask questions during the event. Also, delegates attending the conference online and are speaker, please send us your recorded presentation using provided power point template. The same will be played during the event.

Parking Free parking will be available, please ask at registration desk showing your conference badge for validation of parking ticket.