



THE INTERNATIONAL SYMPOSIUM ON ENERGY⁷

Presentation Schedule
+ Delegate Listing

13-17 August 2017

ROOM DIRECTORY

Central Park.....	Floor 4
Congress.....	Floor 2 Mezzanine
Hyde Park	Floor 4
International Suite	Floor 3
Park Avenue	Floor 4
Park Lane	Floor 4
Portland.....	Floor 1
Senate.....	Floor 2 Mezzanine
Victoria Park.....	Floor 4

WANT MORE DETAILS?

For speaker bio sketches, detailed session descriptions and abstracts, please visit our website:

<http://energy7.nscj.co.uk/Sessions.html>

SESSION TOPICS

The following topics are arranged into Parallel Sessions:

Aachen	Energy policy
Argonne	Energy storage
Arlington	Techniques beneficial to the energy sector
Beijing	China's energy and environmental challenges
Berlin	Climate change and energy
Cambridge	Nano energy
Dallas	Energy catalyst
Dublin	Heating and cooling
Edinburgh	Energy and environment
Haifa	Energy security
Hamburg	Energy economy
Hiroshima	Energy and superconductivity
Houston	Oil and Gas
Juelich	Transformation of energy systems
Liverpool	Energy harvesting
Manchester	Nuclear energy
Oxford	Energy efficiency
Paris	Renewable integration and power distribution
Rutgers	Porous materials and structures for energy applications
Seoul	Bioenergy
Shanghai	Safety and integrity management for the energy industry
Spokane	Optimizing, greening to smarting
Uppsala	Environmental impact of materials
Warsaw	Dealing with waste
Washington	Biomass conversion technologies
Waterloo	Nexus of water systems, food and energy
Windsor	Fuel cells
Yale	Sustainable energy, transportation and urban systems

POSTER EXHIBITION

Argonne Session: Energy storage

- Postinfiltrating Manganese Oxide into Carbon Nanosphere Multilayers for High-Performance Electrochemical Supercapacitors - Yanyan Song, Northeastern University, China
- Design of Hybrid Gel Polymer Electrolytes for Lithium Ion Batteries - Seung Sang Hwang, Korea Institute of Science and Technology, Korea South
- Modeling of high energy batteries. - Cha-Lin Liu, National Taiwan University of Arts, Taiwan
- Integration of Pseudocapacitive Materials with Partially Exfoliated Graphite for Supercapacitors - Xiaoxia Liu, Northeastern University, China
- 3-Dimensional-Graphene for High Performance Flexible Supercapacitors - Ji-Hyun Jang, UNIST, Korea South
- ReaxFF Molecular Dynamics Investigation on the Magnesium Hydride Fracture - Hasan Almatrouk, Kuwait Institute for Scientific Research, Kuwait

Arlington Session: Techniques beneficial to the energy sector

- Electromechanical Adaptive Drive - Konstantin Ivanov, Almaty University of Power Engineering and Telecommunication, Kazakhstan

Beijing Session: China's energy and environmental challenges

- Model-Based Analysis: Impact of China's National ETS with CCER Trading on Optimal Planning of China's Power Industry - Jun Fang, Tsinghua University, China

Cambridge Session: Nano energy

- Controllable Fabrication of PANI/GO/TiO₂ Multi-layered Hybrid Films with Enhanced Photoelectrocatalytic Activity - Xia Zhang, Northeastern University, China
- One-dimensional Carbon Nanomaterials Hybrids/ Dielectric Polymer Nanocomposites with High Permittivity for Power Energy Storage Applications - Minhao Yang, Université Paris-Saclay, France

- Sputter-deposited Nanostructured Metal-Oxide Films for Hydrogen Gas Sensing - Stanislav Haviar, Department of Physics and NTIS, Faculty of Applied Sciences, Czech Republic

Dallas Session: Energy catalyst

- Metal phosphides and their composites as efficient and robust electrocatalysts for hydrogen evolution reaction - Yuanyuan Ma, Xi'an Jiaotong University, China

Edinburgh Session: Energy and environment

- Bio-oil production and removal of organic load by microalga *Scenedesmus* sp. using culture medium contaminated with different sugars, cheese whey and whey permeate - Wesley da Silva Borges, Instituto Luterano de Ensino Superior de Itumbiara, Brazil
- Hydrogeochemistry and geothermometry of Tang-Bijar oilfield springs, Zagros region, Iran - Yasaman Rafighdoust, Ferdowsi University of Mashhad, Iran
- A residue-based biorefinery to meet energy and pollution challenges - Pilar Dorado, Universidad de Córdoba, Spain
- First-principles understanding of CO₂ conversion into CH₄ on copper-based catalysts - Dong-Hee Lim, Chungbuk National University, Korea South

Haifa Session: Energy security

- Cost analysis of enzymatic biodiesel production in small-scale packed-bed reactors - Smitha Sundaram, Eindhoven University of Technology, Netherlands

Houston Session: Oil and Gas

- Evaluation of Steam Flood Performance during Heavy Oil Recovery under Different Design Conditions - Abdullah Alajmi, Kuwait University, Kuwait
- Electrical resistivity and rheological properties of sensing bentonite drilling muds modified with lightweight polymer - Ahmed Mohammed, University of Sulaimani, Iraq

Liverpool Session: Energy harvesting

- Non-Fullerene Electron Acceptor and ZnO Nanoparticles Cathode Buffer Layer in Inverted Perovskite Solar Cells - Chin-Ti Chen, Academia Sinica, Taiwan

POSTER EXHIBITION CONT.

- Sunlight – an Order Basis: by Results of Researches of Northern Labyrinths - Alina Paranina, Herzen State Pedagogical University of Russia, Russia
- The Development of Vertical Twin Rotors Full-Field Wind Power Generator - Chen-Ching Ting, National Taipei University of Technology, Taiwan

Oxford Session: Energy efficiency

- Best Practices for Thermal Treatment of Buildings in Hot Climates - A Review for Designers from Cold Countries - Sahar Najeeb Kharrufa, Ajman University, United Arab Emirates

Paris Session: Renewable integration and power distribution

- Robust nonlinear control design for tidal stream generator connected to a high power grid - Fabien Oculi, University Institute of Technology Villetaneuse, France
- Electrical Power System (EPS) Development for FORMOSAT-5 Satellite - Checheng HUANG, National Space Organization, Taiwan

Rutgers Session: Porous materials and structures for energy applications

- Pore Structure Determination from Neutron Scattering - J. Beau W. Webber, Lab-Tools Ltd. (nano-science), United Kingdom
- Physico-chemical characterization of Fischer-Tropsch catalysts. Effect of high pressure on the reducibility and dispersion of the active phase - Antonio Gil, Public University of Navarra, Spain
- Adsorption of CO₂ on mixed oxides derived from hydrotalcites at high temperatures and pressures - Antonio Gil, Public University of Navarra, Spain

Seoul Session: Bioenergy

- The Opportunity of Bioethanol Production from Palm Oil Industry Waste in Indonesia - Yanni Sudiyani, Indonesian Institute of Sciences, Indonesia
- Process development and economic evaluation for catalytic production of furfural from hemicellulose fraction of lignocellulosic biomass - Juyeon Kim, Chonbuk National University, Korea South

Warsaw Session: Dealing with waste

- An innovative perspective on the agricultural non-point pollution control - the eco-agricultural industrial chain - Hongna LI, Chinese Academy of Agricultural Sciences, China

Waterloo Session: Nexus of water systems, food and energy

- The influence of the specific interfacial area on the oxygen transfer speed from air to water - Ionela Mihaela Constantin, Politehnica University of Bucharest, Romania
- The sustainability of Food Processing Buildings: a method of evaluation - Francesco BARRECA, Università Mediterranea di Reggio Calabria, Italy

Yale Session: Sustainable energy, transportation and urban systems

- Techno-economic feasibility study for separation of CO₂ from off-gas in iron and steel industry - Jaewon Byun, Chonbuk National University, Korea South

PARALLEL A Day 1 | 10:50 - 12:30

Session	Room
Windsor	Hyde Park
Edinburgh	International Suite
Paris	Park Avenue
Dublin	Park Lane
Argonne	Portland
Manchester	Senate
Yale	Victoria Park

PARALLEL D Day 2 | 09:30 - 11:10

Session	Room
Yale	Hyde Park
Beijing	International Suite
Paris	Park Avenue
Washington	Park Lane
Argonne	Portland
Manchester	Senate
Dublin	Victoria Park

PARALLEL B Day 1 | 13:50 - 15:30

Session	Room
Arlington	Hyde Park
Aachen	International Suite
Oxford	Park Avenue
Houston	Park Lane
Cambridge	Portland
Manchester	Senate

PARALLEL E Day 2 | 11:30 - 13:10

Session	Room
Spokane	Central Park
Hiroshima	Hyde Park
Edinburgh	International Suite
Oxford	Park Avenue
Washington	Park Lane
Argonne	Portland
Manchester	Senate
Dublin	Victoria Park

PARALLEL C Day 1 | 15:50 - 17:30

Session	Room
Haifa	Central Park
Liverpool	Hyde Park
Hamburg	International Suite
Warsaw	Park Avenue
Waterloo	Park Lane
Cambridge	Portland
Manchester	Senate
Shanghai	Victoria Park

PARALLEL F Day 2 | 15:30 - 17:10

Session	Room
Spokane	Central Park
Liverpool	Hyde Park
Edinburgh	International Suite
Warsaw	Park Avenue
Waterloo	Park Lane
Cambridge	Portland
Manchester	Senate
Houston	Victoria Park

PARALLEL G Day 3 | 09:30 - 11:10

Session	Room
Berlin	Central Park
Rutgers	Hyde Park
Edinburgh	International Suite
Oxford	Park Avenue
Seoul	Park Lane
Argonne	Portland
Manchester	Senate
Juelich	Victoria Park

PARALLEL H Day 3 | 11:30 - 13:10

Session	Room
Liverpool	International Suite
Oxford	Park Avenue
Seoul	Park Lane
Argonne	Portland
Uppsala	Senate
Aachen	Victoria Park

PARALLEL I Day 3 | 15:30 - 17:10

Session	Room
Rutgers	Hyde Park
Edinburgh	International Suite
Liverpool	Park Avenue
Washington	Park Lane
Waterloo	Portland
Uppsala	Senate
Dallas	Victoria Park

SCHEDULE FOR PARALLEL A

14/08/2017, 10:50 - 12:30

Session: Argonne

Topic: Energy storage

Room: Portland

Moderator: Prof. Guang Feng, Huazhong University of Science and Technology (HUST), China

- MnO₂-Based Nanocomposites for High-Performance Supercapacitors (25 minutes) - Prof. Bingqing Wei, University of Delaware, United States
- Flexible supercapacitor of polypyrrole/ carbon nanotubes on macroporous eggshell membranes (20 minutes) - Prof. Helinando de Oliveira, Federal University of Sao Francisco Valley, Brazil
- Heteroatoms-doped Carbon Microspheres with Superior Electrochemical Performance for Supercapacitors (20 minutes) - Prof. Faming Gao, Yanshan University, China

Session: Dublin

Topic: Heating and cooling

Room: Park Lane

Moderator: Prof. Bourhan Tashtoush, Jordan University of Science and Technology, Jordan

- A new energy efficient cooling system for data centers by using CO₂ as the refrigerant (20 minutes) - Prof. Weirong Zhang, Tokyo Polytechnic University, Japan
- Energy and exergy analyses of thermocline, sensible heat storage for large CHP plant in Poland (20 minutes) - Dr. Ryszard Zwierchowski, Warsaw University of Technology, Poland
- Accelerating energy retrofitting of European residential buildings by prefabricated modular elements (20 minutes) - Dr. Anotnín Lupíšek, Czech Technical University in Prague, Czech Republic
- Estimation of the power absorbed by the surface of optical components processed by an inductively coupled plasma torch (20 minutes) - Dr. Renaud Jourdain, Cranfield University, United Kingdom

Session: Edinburgh

Topic: Energy and environment

Room: International Suite

Moderator: Dr. Shen Yu, Institute of Urban Environment, Chinese Academy of Sciences, China

- The comparative application of LCA and the “ecopotential” sustainability assessment framework to a UK heating of buildings case study (20 minutes) - Dr. Philip Sinclair CSci FIES FRSA, Eco-Design and Policy, United Kingdom
- Comparative Analysis of the transmission factors of lead and concrete manufactured with electric arc furnace slag aggregates (15 minutes) - Miss Davatee MAHARAJ, University of the West Indies, Trinidad & Tobago
- Quantitative Urban Environment Simulation Tool for Sustainable City Planning and Design (20 minutes) - Mr. Tian Kuay Lim, Urban Redevelopment Authority, Singapore
- Design of Large CO₂ Capture Plant from Coal-fired Flue Gases with Low Cost Technology (20 minutes) - Dr. Ahmed Aboudheir, AEET Purenergy, China

Session: Manchester

Topic: Nuclear energy

Room: Senate

Moderator: Dr. Mark Read FRSC, University of Birmingham, United Kingdom

- Susceptibility to Total Body Irradiation (20 minutes) - Dr. Huib Vriesendorp, Phase 2 Therapy, United States
- Experiments Design of Helium Circulator with Dry Gas Seal for HTR-PM (20 minutes) - Ms. Ping YE, Tsinghua University, China
- Radiological risk assessment for hot cells decontamination (15 minutes) - Mrs. Carmen Tuca, Horia Hulubei National Institute for Physics and Nuclear Engineering, IFIN-HH, Romania
- The features of power regulation methods for gas-cooled reactor closed Brayton cycle (20 minutes) - Dr. Xiaoyong YANG, Tsinghua University, China

Session: Paris

Topic: Renewable integration and power distribution

Room: Park Avenue

Moderator: Dr. Tugce DEMIRDELEN, Adana Science and Technology University, Turkey

- Integration of volatile solar and wind power using gas transport and seawater pump storage (25 minutes) - Prof. Michael Düren, Univ. Giessen, Germany
- New Methods to Reduce the Bus Switching Activities to Minimize Power Consumption (20 minutes) - Dr. Iftekhar Basith, Sam Houston State University, United States

- Robust nonlinear control design for tidal stream generator connected to a high power grid (20 minutes) - Mr. Fabien Oculi, University Institute of Technology Villetaneuse, France

Session: Windsor

Topic: Fuel cells

Room: Hyde Park

Moderator: Prof. Gunnar Johansson, Uppsala University, Sweden

- Method of Electrochemical Performance Characterization for Interdigitated PEFCs with Varying Flow Field Permeability (20 minutes) - Dr. Nathaniel Cooper, Imperial College London, United Kingdom
- Acoustic Emission Based Condition Monitoring Technique for Fuel Cell Systems (20 minutes) - Dr. Alhussein Albarbar, Manchester Metropolitan University, United Kingdom
- Zinc as an energy carrier for power supply (10 minutes) - Mr. Dongfang Chen, Tsinghua University, China
- A novel zinc-air fuel cell with electrolyte refreshment (10 minutes) - Mr. Shangwei Huang, Tsinghua University, China

Session: Yale

Topic: Sustainable energy, transportation and urban systems

Room: Victoria Park

Moderator: Mr. Matthias Garbs, Georg-August University Göttingen, Germany

- Sustainability Assessment of Energy Storage for Stationary Grid Application (20 minutes) - Dr. Marcel Weil, Karlsruhe University of Technology, Germany
- An Electric Energy Management with decentralized Energy Assistance Functions for Battery Electric Vehicles (20 minutes) - Mr. Sören Scherler, Ostfalia University of Applied Sciences, Germany
- Development of a two-stage stochastic programming model for utility supply and carbon dioxide mitigation strategies in an industrial complex under uncertainty in carbon tax (20 minutes) - Dr. Yuchan Ahn, Chonbuk National University, Korea South
- Exergy and Exergoeconomic Analysis for a Triple-Shaft Aeroderivative Gas Turbine Engine (20 minutes) - Dr. Abdulrahman Almutairi, College of Technological Studies, Kuwait

SCHEDULE FOR PARALLEL B

14/08/2017, 13:50 - 15:30

Session: Aachen

Topic: Energy policy

Room: International Suite

Moderator: Mr. Moty Kuperberg, The International Energy Security Agency | Dynamic Shipping Services, Haifa, Israel

- Scottish 'energy policy': a particularly tartan cocktail of devolved and reserved powers, climate, energy and economic ambitions, with a slice of Brexit (30 minutes) - Prof. Karen Turner, University of Strathclyde, United Kingdom
- Influence of European Union directives on the Use of Liquid Biofuel in the Transport Sector (20 minutes) - Mr. Keio Küt, Estonian University of Life Sciences, Estonia
- The political risk mitigation potential of solar PV in an African-wide electricity network (10 minutes) - Mr. Philipp Trotter, University of Bath, United Kingdom

Session: Arlington

Topic: Techniques beneficial to the energy sector

Room: Hyde Park

Moderator: Dr Henry Tan, University of Aberdeen, United Kingdom

- Thermal Explosion in Homogeneous Systems. A Novel Approach to Analysis of Critical Conditions (20 minutes) - Prof. Valeriy Filimonov, Altai State Technical University, Russia
- Insight into the feature of reaction process in energy field by ECSA for TG-MS (15 minutes) - Dr. Hongde Xia, Institute of Engineering Thermophysics, Chinese Academy of Sciences, China
- Insight into the feature of reaction process in energy field by ECSA for TG-MS (15 minutes) - Dr. Rongbin Li, Tsinghua University, China

Session: Cambridge

Topic: Nano energy

Room: Portland

Moderator: Prof. Jerry Darsey, University of Arkansas at Little Rock, United States

- Deuteration Effects on the Intramolecular Energy Transfer and Luminescence of Lanthanides Coordinating 1,10-Phenanthroline with

Polymorphism (25 minutes) - Prof. Miki Hasegawa, Aoyama Gakuin University, Japan

- Investigation of a nanoscale anatase TiO₂ powder after high energy ball milling at ambient temperature (20 minutes) - Dr. Abdulsalam Alhazza, Kuwait Institute for Scientific Research, Kuwait
- Design of betavoltaic battery and synthesis of its beta source (20 minutes) - Dr. Young Rang Uhm, Korea Atomic Energy Research Institute, Korea South

Session: Houston

Topic: Oil and Gas

Room: Park Lane

Moderator: Ibrahim Fahmy, ZADCO, UAE

- Field-based environmental monitoring of unconventional oil and gas wells (20 minutes) - Mr. Daniel Soeder, South Dakota School of Mines and Technology, United States
- New development of World oil shale activities (20 minutes) - Dr. Yue Ma, China University of Petroleum-Beijing, China
- Significant Influence of pH During Molecular Characterization of Oil Sands Process Water (10 minutes) - Miss Mary Thomas, University of Warwick, United Kingdom
- Electrical resistivity and rheological properties of sensing bentonite drilling muds modified with lightweight polymer (20 minutes) - Dr. Ahmed Mohammed, University of Sulaimani, Iraq

Session: Manchester

Topic: Nuclear energy

Room: Senate

Moderator: Dr. Huib Vriesendorp, Phase 2 Therapy, United States

- Computer Modelling of U1-xPuxO₂ MOX Nuclear Fuels. (20 minutes) - Dr. Mark Read FRSC, University of Birmingham, United Kingdom
- Comparison of three different thermodynamic cycles coupled with Very High Temperature Gas-cooled Reactor (20 minutes) - Prof. Jie Wang, Tsinghua University, China
- Modeling of Transient Behavior of a Spent Nuclear Fuel Assembly during Calorimetric Testing (10 minutes) - Miss Valerie Lawdensky, University of Nevada, Las Vegas, United States

Presentation Schedule

13-17 August 2017 | page 9

- Forming mechanism and radius prediction of hydraulic generated slots based on a two-walled jet (15 minutes) - Dr. Wenchuan Liu, Wuhan University, China

Session: Oxford

Topic: Energy efficiency

Room: Park Avenue

Moderator: Prof. Endre Nagy, University of Pannonia, Hungary

- Application of Sensor Network to Achieve High Energy Efficiency : A Case Study of Reverse Osmosis Desalination (25 minutes) - Prof. Dongsoo Har, KAIST, Korea South
- Best Practices for Thermal Treatment of Buildings in Hot Climates - A Review for Designers from Cold Countries (20 minutes) - Prof. Sahar Najeeb Kharrufa, Ajman University, United Arab Emirates
- Analytical modelling and prediction formulas for domestic hot water consumption in residential Finnish apartments (20 minutes) - Dr. Andrea Ferrantelli, Tallinn University of Technology, Estonia
- An experimental investigation into the operation process of the free-piston linear generator (20 minutes) - Prof. Huihua Feng, Beijing Institute of Technology, China

SCHEDULE FOR PARALLEL C

14/08/2017, 15:50 - 17:30

Session: Cambridge

Topic: Nano energy

Room: Portland

Moderator: Prof. Miki Hasegawa, Aoyama Gakuin University, Japan

- Molecular Orbital Modeling of Energy Relevant Material's Properties (20 minutes) - Prof. Jerry Darsey, University of Arkansas at Little Rock, United States
- Pd and Pd-based materials for energy related applications (20 minutes) - Prof. Hideaki Kasai, National Institute of Technology, Akashi College, Japan
- Fabrication of hydrogen sensors using PdO/WO₃ nanorods (20 minutes) - Prof. Sukon Phanichphant, Chiang Mai University, Thailand

Session: Haifa

Topic: Energy security

Room: Central Park

Moderator: Dr Henry Tan, University of Aberdeen, United Kingdom

- Energy Future - Fossils and Beyond, The New Energy Era (25 minutes) - Mr. Moty Kuperberg, Dynamic Shipping Services Haifa, Israel
- LNG Contribution to Global Energy Security (10 minutes) - Mr. Moty Kuperberg, Dynamic Shipping Services Haifa, Israel | The Independent Energy Security Agency, Israel
- Techno-economic analysis of different plant capacities of a heat-integrated process to produce gasoline from biomass (10 minutes) - Miss Smitha Sundaram, Eindhoven University of Technology, Netherlands
- Biomass Supply Chain Optimization Sensitivity to Geographical Information Uncertainty (20 minutes) - Dr. Nathaniel Cooper, Imperial College London, United Kingdom
- Value of Electricity Supply Security: A Case Study for Germany (10 minutes) - Mr. Thomas Schröder, Research Centre Jülich, Germany

Session: Hamburg

Topic: Energy economy

Room: International Suite

Moderator: Prof. Rodrigo Verschae, Kyoto University, Japan

- How innovation and disruptions is reshaping the future of the power sector (25 minutes) - Dr. Fereidoon Sioshansi, Menlo Energy Economics, United States
- Unconventional Oil and Gas Development and Hotel Construction: Boom-Bust Victim or Economic Catalyst? (20 minutes) - Dr. Jonathan Williamson, Lycoming College, United States
- Investment Valuation in Liberalized Power Markets: Integrating Real Options with System Dynamics (15 minutes) - Mr. Daniel Rios Festner, Facultad Politécnica, Universidad Nacional de Asunción, Paraguay

Session: Liverpool

Topic: Energy harvesting

Room: Hyde Park

Moderator: Mr. Ashok Chaudhari, Director, Solar-Tectic LLC, USA

- Development of Printed Organic Photovoltaic Cells for Indoor-Light Harvesting Applications (20 minutes) - Dr. Ye Tao, National Research Council of Canada, Canada
- Spectral absorption properties of an intrinsic silicon coating deposited by magnetron sputtering method (10 minutes) - Miss Beibei Lu, Nanjing Tech University, China
- Design of a Hybrid Solar Photovoltaic and Thermal Unit to Teach How Weather Affects to the Power Characteristics of Solar Modules (20 minutes) - Dr. Iftekhar Basith, Sam Houston State University, United States

Session: Manchester

Topic: Nuclear energy

Room: Senate

Moderator: Dr. Andreas Adelmann, Paul Scherrer Institute, Switzerland

- Cold Nuclear Fusion Development (20 minutes) - Mr. Edward Tsyganov, Cold Fusion Power Company, International, United States
- Numerical Study of Heat Transfer of CO₂ at Supercritical Pressure in a Helically Coiled Tube (20 minutes) - Dr. Zhen Zhang, Institute of Nuclear and New Energy Technology, Tsinghua University, China
- Benchmark Analyses of EBR-II ULOHS Test using MARS-LMR (20 minutes) - Dr. Chiwoong CHOI, Korea Atomic Energy Research Institute, Korea South
- X-band Electron Linac-based Compact Neutron Source for Nuclear Material Detection (10 minutes) - Ms. Yudhitya Kusumawati, The University of Tokyo, Japan

Session: Shanghai

Topic: Safety and integrity management for the energy industry

Room: Victoria Park

Moderator: Ibrahim Fahmy, ZADCO, UAE

- Safety and integrity management for the energy industry (20 minutes) - Mr. Mark Eggleston, Phillip Townsend Associates Inc., United States

- Establishing a Dynamic Risk Register in the Energy sector: the challenge of operational risks and data aggregation (20 minutes) - Dr. Maria Chiara Leva, Dublin Institute of Technology, Ireland
- Severe Accident Management Issues after Total Loss of Electric Power in Nuclear Power Plants (20 minutes) - Prof. Jong Woon PARK, Dongguk University, Korea South
- SAMG-D: The IAEA Training Toolkit on The Development of Severe Accident Management Guidelines (20 minutes) - Dr. Ibrahim Khamis, International Atomic Energy Agency, Austria
- Fragility Curve for a Power Plant Building through Mathematical Simulations (20 minutes) - Prof. Eric Yee, KEPKO International Nuclear Graduate School, Korea South

Session: Warsaw

Topic: Dealing with waste

Room: Park Avenue

Moderator: Prof. Percy van der Gryp, Stellenbosch University, South Africa

- Bioelectricity Cogeneration with Residual Sugarcane Biomass: a Management Model Based on Balanced Scorecard (20 minutes) - Dr. Paulo Sérgio Vasconcelos, Federal University of Grande Dourados - UFGD, Brazil
- Environmental Responsibility and Sustainability of Bio-energy Mills: a Legal Analysis. (20 minutes) - Dr. Paulo Sergio Vasconcelos, Federal University of Grande Dourados - UFGD, Brazil
- High Performance and Low Cost Reclaiming Technology for Solvent/Glycol Reclaiming, Recycling, and Reusing (20 minutes) - Dr. Ahmed Aboudheir, AEET Purenergy, China

Session: Waterloo

Topic: Nexus of water systems, food and energy

Room: Park Lane

Moderator: Prof. Safwat H. Shakir Hanna, Texas Gulf Coast Environmental Data (TEXGED) Center, United States

- Assessment of Sediment Load From Dokan Dam Watershed (20 minutes) - Prof. Nadhir Al-Ansari, Lulea University of Technology, Sweden
- A CFD approach for prediction of Sediment Erosion for Dulhasti Power Station (20 minutes) - Prof. G A Harmain, National Institute of Technology Srinagar, India

- Seasonal variation of metals (Cd Cu Fe Pb and Zn) in surface water of tropical riverine system Cambodia (20 minutes) - Dr. Sorya Proum, Royal University of Phnom Penh, Cambodia

SCHEDULE FOR PARALLEL D

15/08/2017, 09:30 - 11:10

Session: Argonne

Topic: Energy storage

Room: Portland

Moderator: Prof. Bingqing Wei, University of Delaware, United States

- Improved Energy Efficiency of Solar Racing Cars by Aerodynamic Design and by Cooling Li-Ion Battery with PCMs (20 minutes) - Prof. Nelson Moraga, University of La Serena, Chile
- Enhancing the hydration reactivity of MgO – about particle morphology and chemical dopants (20 minutes) - Dr. Danny Müller, TU Wien, Austria
- Electroactive Composite Materials for Supercapacitors (10 minutes) - Ms. Milla Suominen, Laboratory of Materials Chemistry and Chemical Analysis, University of Turku, Finland
- Modelling of Distributions of Time Constants of Ion Carbon Based Supercapacitors (10 minutes) - Mr. Simon Howroyd, Loughborough University, United Kingdom

Session: Beijing

Topic: China's energy and environmental challenges

Room: International Suite

Moderator: Ms. Jingchao Zhang, Kochi University of Technology, Japan

- China and green energy (20 minutes) - Dr. David Toke, University of Aberdeen, United Kingdom
- Ecological Courtyard with Circulated Energy Utilization Systems in Rural Areas of Northern China (20 minutes) - Dr. Xueyan Zhang, Dalian University of Technology, China
- International trade and carbon emissions: the role of Chinese institutional and policy reforms (20 minutes) - Dr. Fredrik NG Andersson, Lund University, Sweden
- The governance of solar power industry in Eastern China (20 minutes) - Dr. Geoffrey Chun-fung Chen, Xi'an Jiaotong-Liverpool University, China

Session: Dublin

Topic: Heating and cooling

Room: Victoria Park

Moderator: Prof. Salman Ajib, Hochschule Ostwestfalen-Lippe / Standort Höxter, Germany

- Effective temperature and efficiency of heat engines (20 minutes) - Dr. Mahmoud Huleihil, The Arab Academic Institute of Education, the Academic Institute Beit-Berl, Israel
- Study of Predicting Aerodynamic Heating for Hypersonic Boundary Layer Flow Over A Flat Plate (20 minutes) - Prof. Cao Wei, Tianjin University, China, China
- Thermal comfort indoors: A study in the cold period of Ensenada city, Baja California (20 minutes) - Dr. Julio Rincón, Universidad Autónoma de Baja California, Mexico
- The Effect of Cross-cut Passive Flow Control in a Wavy Fin Heat Exchanger (10 minutes) - Mr. Gun Woo Kim, University of Seoul, Korea South

Session: Manchester

Topic: Nuclear energy

Room: Senate

Moderator: Mr. Edward Tsyganov, Cold Fusion Power Company, International, United States

- HPR1000: Advanced Pressurized Water Reactor with Active and Passive Safety (20 minutes) - Dr. Yuxiang Wu, China Nuclear Power Engineering Co. Ltd., China
- Cyclotrons as Reliable and Cost Effective Drivers for Accelerator Driven Systems (ADS) (20 minutes) - Dr. Andreas Adelmann, Paul Scherrer Institute, Switzerland
- Development and verification of wall-flap-gate as an inundation defence for nuclear plants (20 minutes) - Mr. Daisuke Matsubara, Hitachizosen Co.Inc., Japan
- Air oxidation of zirconium alloy cladding – the role of nitrogen (15 minutes) - Mr. Sanggil Park, Handong Global University/ACT, Korea South

Session: Paris

Topic: Renewable integration and power distribution

Room: Park Avenue

Moderator: Prof. Michael Düren, Univ. Giessen, Germany

- Virtual Reality platform for supporting integrated design of energy and spatial concepts in

brownfield industrial parks (20 minutes) - Mr. Andreas Hoepfner, Fraunhofer Institute for Factory Operation and Automation IFF, Germany

- Smart Transformers for Integration of Renewable Energy Sources (20 minutes) - Dr. Tugce DEMIRDELEN, Adana Science and Technology University, Turkey
- Performance Evaluation and Prediction of 100 kWp roof top grid interactive plant in India (20 minutes) - Dr. Sivasankari Sundaram, SRM University Kattankulathur Tamil Nadu, India
- Autonomous, Decentralized Battery Storage Systems for Load Balancing in Low Voltage Distribution Grids (10 minutes) - Mr. Bernhard Fäßler, Vorarlberg University of Applied Sciences, Austria

Session: Washington

Topic: Biomass conversion technologies

Room: Park Lane

Moderator: Prof. Laszlo T. Mika, Budapest University of Technology and Economics, Hungary

- Hydrolytic degradation of lignocellulosic polysaccharides by dicarboxylic acids (20 minutes) - Prof. Gunnar Johansson, Uppsala university, Sweden
- Synthesis and characterization of N-rich micro-, mesoporous carbon materials obtained from natural sources: chitin, chitosan, *Chlorella vulgaris* and selected amino acids (20 minutes) - Ms. Anna Ilnicka, Nicolaus Copernicus University, Poland
- Mild hydrotreatment of a pyrolyzed straw fraction over nickel catalysts (20 minutes) - Dr. Klaus Raffelt, Karlsruhe Institute of Technology, Germany

Session: Yale

Topic: Sustainable energy, transportation and urban systems

Room: Hyde Park

Moderator: Dr. Marcel Weil, Karlsruhe University of Technology, Germany

- Improved environmental footprint and road durability using hydrated lime in hot mix asphalt (20 minutes) - Dr. Aurela SHTIZA, EuLA, Belgium
- Gasoline like fuel to power compression ignition (GCI) approach to efficient, clean, affordable future engines (20 minutes) - Dr. Hyun Woo Won, AFRC, France

- Analysis of Economic and Ecological Impacts of Long Distance Manure Transports (20 minutes) - Mr. Matthias Garbs, Georg-August University Göttingen, Germany
- Mobility, Vehicle fleet, Energy use and Emissions forecast Tool (MOVEET) (20 minutes) - Mr. Kris Vanherle, Transport & Mobility Leuven, Belgium

SCHEDULE FOR PARALLEL E

15/08/2017, 11:30 - 13:10

Session: Argonne

Topic: Energy storage

Room: Portland

Moderator: Prof. Helinando de Oliveira, Federal University of Sao Francisco Valley, Brazil

- Microstructure of Interfaces between Ionic Liquids and Charged Surfaces (20 minutes) - Prof. Guang Feng, Huazhong University of Science and Technology (HUST), China
- Combining of Both Liquid and Solid Electrolytes with Magneto-rheology (20 minutes) - Dr. Jie Ding, Defence Science and Technology Group, Australia
- Enhanced electrochemical performance of mesoporous NiCo₂O₄ as an excellent supercapacitive alternative energy storage material (20 minutes) - Mr. Prateek Bhojane, Indian Institute of Technology Indore, India

Session: Dublin

Topic: Heating and cooling

Room: Victoria Park

Moderator: Dr. Mahmoud Huleihil, The Arab Academic Institute of Education, the Academic Institute Beit-Berl, Israel

- Experimental study and statistical-based optimization of solar ejector cooling system performance with R141b as a refrigerant (20 minutes) - Prof. Bourhan Tashtoush, Jordan University of Science and Technology, Jordan
- Acetone/zinc bromide (C₃H₆O/ZnBr₂) as an alternative working solution in low temperature driven absorption refrigeration machines; some investigation results and perspectives (20 minutes) - Prof. Salman Ajib, Hochschule Ostwestfalen-Lippe / Standort Höxter, Germany
- System Performance Investigation and Optimization Retrofit of an Existing GSHP System

in the Severe Cold Zone in China (15 minutes) - Dr. Ping Cui, Shandong Jianzhu University, China

- Increasing District Heating Efficiency with Ultra-Low Temperature Supply (35°C) (15 minutes) - Mr. Johnny Iversen, Sweco A/S, Denmark

Session: Edinburgh

Topic: Energy and environment

Room: International Suite

Moderator: Dr. Philip Sinclair CSci FIES FRSA, Eco-Design and Policy, United Kingdom

- Energy structure and pollutant emissions in China within 50-year rapid development (20 minutes) - Dr. Shen Yu, Institute of Urban Environment, Chinese Academy of Sciences, China
- The households' energy awareness and attitude towards RES in Poland – consumer segmentation (20 minutes) - Dr. Edyta Ropuszynska-Surma, Wroclaw University of Science and Technology, Poland
- Hydrogeochemistry and geothermometry of Tang-Bijar oilfield springs, Zagros region, Iran (15 minutes) - Dr. Yasaman Rafighdoust, Ferdowsi University of Mashhad, Iran
- Time-varying grid carbon intensity in the UK for the years 2009-2016 (10 minutes) - Miss Vasiliki (Vicky) Papaioannou, University of Reading, Great Britain

Session: Hiroshima

Topic: Energy and superconductivity

Room: Hyde Park

Moderator: Dr Henry Tan, University of Aberdeen, United Kingdom

- STM/STS study of the multi-layered fluorine-substituted high-T_c superconductor (20 minutes) - Prof. Toshikazu Ekino, Hiroshima University, Japan
- Thermomagnetic Stability in Isotropic Type-II Superconductors under Multicomponent Magnetic Fields (20 minutes) - Dr. Carolina Romero-Salazar, University Autonomous "Benito Juárez" of Oaxaca
- Critical Current Density and Intergranular Coupling Study of the Europium Nano-Oxide Added Bi_{1.6}Pb_{0.4}Sr₂Ca₂Cu₃O_y Superconductor (20 minutes) - Dr. Amir Zelati, University of Birjand, Iran

Session: Manchester

Topic: Nuclear energy

Room: Senate

Moderator: Dr. Mark Read FRSC, University of Birmingham, United Kingdom

- Novel biogenic nanomaterials for application to nuclear decontamination and mitigation of legacy, contemporary and future challenges (20 minutes) - Prof. Lynne Macaskie, University of Birmingham, United Kingdom
- Double diffusive convection in a couple stress fluid saturated porous layer with internal heat source (20 minutes) - Prof. Sravan Gaikwad, Gulbarga University, India
- Dry filtration of an organic iodide using a silver ion exchanged zeolite (15 minutes) - Mr. Sanggil Park, Handong Global University/ACT, Korea South
- Parameters Study of Supercritical Carbon Dioxide Brayton Cycle for High Temperature Gas-cooled Reactor (HTGR) (20 minutes) - Mr. Gang Zhao, Tsinghua University, China

Session: Oxford

Topic: Energy efficiency

Room: Park Avenue

Moderator: Prof. Dongsoo Har, KAIST, Korea South

- The influence of ground heat exchanger zoning operation modes on ground thermal accumulation (20 minutes) - Prof. Mingzhi Yu, Shandong Jianzhu University, China
- Heat pipe screw dryer: a novel, continuous and highly energy-efficient drying technology (20 minutes) - Dr. Ahmad Mustaffar, Newcastle University, United Kingdom
- Thermal and mechanical evaluation of spark plasma sintered Cu-xNi composite for electrical applications (10 minutes) - Mr. Kabelo Emanuel Machethe, Tshwane University of Technology, South Africa
- Characteristics of spark plasma sintered copper reinforced with titanium for electrical applications (10 minutes) - Mr. Kabelo Emanuel Machethe, Tshwane University of Technology, South Africa
- Energy savings from installing VFDs in cooling towers' fans in Kuwait (20 minutes) - Dr. Eitidal Al-Bassam, Kuwait Institute for Scientific Research, Kuwait

Session: Spokane

Topic: Optimizing, greening to smarting

Room: Central Park

Moderator: Dr. Lucio Machetti, Terranova, Italy

- Using Artificial Intelligence in Energy Optimisation for Industrial Use (20 minutes) - Dr. Gülgün Kayakutlu, Istanbul Technical University, Turkey
- Adaptive model predictive control for energy-efficient smart homes (20 minutes) - Dr. Michaela Killian, Vienna University of Technology, Austria
- Energy Efficiency and Performance of Cloud Data Centers in the Internet (20 minutes) - Prof. Paul J. Kuehn, University of Stuttgart, Germany
- Modelling the Demand and Uncertainty of Low Voltage Networks (20 minutes) - Dr. Georgios Giasemidis, CountingLab LTD & University of Reading, United Kingdom

Session: Washington

Topic: Biomass conversion technologies

Room: Park Lane

Moderator: Dr. Klaus Raffelt, Karlsruhe Institute of Technology, Germany

- Production of solid biofuel from spent liquor of neutral sulfite semichemical (NSSC) pulping process (20 minutes) - Prof. Pedram Fatehi, Lakehead University, Canada
- Study of low, mild and severe torrefaction and effects of extractives and chemical compositions on torrefaction process by thermogravimetry in of five fast-growth plantations in Costa Rica (15 minutes) - Miss Johanna Gaitan Alvarez, Technological Institute of Costa Rica, Costa Rica
- Applying ratio control to achieve nitrification for low strength wastewater at different temperatures in a continuous biofilm reactor (10 minutes) - Mr. Wei Bian, Beijing University of Technology, China

SCHEDULE FOR PARALLEL F

15/08/2017, 15:30 - 17:10

Session: Cambridge

Topic: Nano energy

Room: Portland

Moderator: Prof. Jerry Darsey, University of Arkansas at Little Rock, United States

- Investigation of the Li-ion Transport in Composite Electrolytes and at the Poly(ethylene oxide)/

Garnet-type Li₇La₃Zr₂O₁₂ Interface (25 minutes) - Prof. Robert Kun, University of Bremen, Germany

- Nanoparticles supported on graphene for energy applications (20 minutes) - Prof. Jianping Gao, Tianjin University, China
- Performance-enhancing Nanowire-substrates Capable of Boosting Carrier Mobility through Stress-engineering (10 minutes) - Mrs. Sulagna Chatterjee, University of Calcutta, India

Session: Edinburgh

Topic: Energy and environment

Room: International Suite

Moderator: Dr. Edit Csefalvay, Budapest University of Technology and Economics, Hungary

- Widespread Oil Spill during the Gulf War: Environmental Consequence and Remediation Strategies (30 minutes) - Prof. Chuxia Lin, University of Salford, United Kingdom
- Gas Separation with Ionic Liquids: Material Design and Industrial Applications (20 minutes) - Prof. Xiangping Zhang, Institute of Process Engineering, Chinese Academy of Sciences, China
- Improved CO₂ sequestration in Geological Formations Using Foam Alternating Gas Injection- an Experimental Study (15 minutes) - Dr. Abdulrauf Adebayo, King Fahd University of Petroleum & Minerals, Saudi Arabia

Session: Houston

Topic: Oil and Gas

Room: Victoria Park

Moderator: Mr. Mark Eggleston, Director, Phillip Townsend Associates, USA

- Characterization of molecular distillation fractions of petroleum Vacuum residues by conventional and non-conventional analytical techniques (20 minutes) - Mrs. Diana Catalina Palacio Lozano, University of Warwick, United Kingdom
- Bayesian estimation methods applied for estimating flow transients in natural gas pipelines (20 minutes) - Dr. Ferdinand Evert Uilhoorn, Warsaw University of Technology, Poland
- Foam oil interaction study for Enhanced oil Recovery applications (20 minutes) - Dr. Muhammad Sagir, University of Gujrat, Pakistan
- Integration of Data-Driven Models for Inference of Shale Barrier and Lean Zone Configurations in Thermal Recovery Processes (10 minutes) - Mr. Zhiwei Ma, University of Alberta, Canada

Session: Liverpool

Topic: Energy harvesting

Room: Hyde Park

Moderator: Dr. Alhussein Albarbar, Manchester Metropolitan University, United Kingdom

- Distributed energy via high-efficiency ceramic gas turbines fuelled by 25-MW wind turbines in the "Roaring Forties" (20 minutes) - Prof. Dave Wilson, MIT, United States
- Rare Earth Free Permanent Magnet Generator Designs for Direct-Drive Wind Turbines (20 minutes) - Dr. Helena Khazdozian, Critical Materials Institute, United States
- Simulation of Variable Speed Wind Power Generation System Using Switched Reluctance Generator and Capacitor-less AC-AC Converter (10 minutes) - Miss Guyuan Ji, Fukuoka Institute of Technology, Japan

Session: Manchester

Topic: Nuclear energy

Room: Senate

Moderator: Dr. Andreas Adelman, Paul Scherrer Institute, Switzerland

- Multi-dimensional fluid structure by a cross two-phase flow (20 minutes) - Prof. Jaeyoung Lee, Handong Global University, Korea South
- The Cross-Flow Mixing Analysis of Quasi-Static Pebble Flow Based on Pebble-Spindle Method (20 minutes) - Dr. Xiang Fang, Tsinghua University, China
- Fast Nuclear Reactor with Liquid U-Pu Fuel (20 minutes) - Prof. Leonid Ponomarev, A.A. Bochvar High Technology Research Institute of Inorganic Materials, Russia
- Effect of Hole Geometry on Film Cooling under Constant Flow Area (20 minutes) - Dr. Wei Peng, Tsinghua University, China

Session: Spokane

Topic: Optimizing, greening to smarting

Room: Central Park

Moderator: Dr. Gülgün Kayakutlu, Istanbul Technical University, Turkey

- Assessing and Managing ICT Risk for Smart Distribution Networks (20 minutes) - Dr. Lucio Machetti, Terranova, Italy
- Time to act – Regulating cyber security the Norwegian Energy Sector (20 minutes) - Dr. Janne

Hagen, Norwegian Water Resources and Energy Directorate, Norway

- Time to act – Regulating cyber security the Norwegian Energy Sector-Part II (20 minutes) - Mr. Jon-Martin Pettersen, Norwegian Water Resources and Energy Directorate, Norway

Session: Warsaw

Topic: Dealing with waste

Room: Park Avenue

Moderator: Dr. Ahmed Aboudheir, AEET Purenergy, China

- Energy and cost evaluation of using Organic Solvent Nanofiltration (OSN) in waste tyre derived oil and solvent-oil systems (20 minutes) - Prof. Percy van der Gryp, Stellenbosch University, South Africa
- An innovative perspective on the agricultural non-point pollution control - the eco-agricultural industrial chain (20 minutes) - Dr. Hongna Li, Chinese Academy of Agricultural Sciences, China
- Production of biogasoline and biodiesel from waste cooking oil (20 minutes) - Prof. Jia-Ming Chern, Tatung University, Taiwan
- Food Waste based Anaerobic Digestion with Centralized Monitoring System (20 minutes) - Dr. Pakkeer Thamby Abdul Salam, Asian Institute of Technology, Thailand

Session: Waterloo

Topic: Nexus of water systems, food and energy

Room: Park Lane

Moderator: Prof. Nadhir Al-Ansari, Lulea University of Technology, Sweden

- Agroecosystem engineering energy, ecological human imprint and economic sustainability: impact and assessment (20 minutes) - Prof. Safwat H. Shakir Hanna, Texas Gulf Coast Environmental Data (TEXGED) Center, United States
- Grain Legume Crops are the Centre of Nexus between Human Nutrition, Soil Health and Systems' Sustainability- A case study from Australia (20 minutes) - Dr. Rao (RCN) Rachaputi, The University of Queensland, Australia
- Seawater greenhouse in Oman: The way forward (20 minutes) - Dr. Abdulrahim Al-Ismaili, Sultan Qaboos University, Oman

SCHEDULE FOR PARALLEL G

16/08/2017, 09:30 - 11:10

Session: Argonne

Topic: Energy storage

Room: Portland

Moderator: Dr. Jie Ding, Defence Science and Technology Group, Australia

- Molten Alkali Carbonates as Engineering Fluids (20 minutes) - Prof. Valentim Nunes, Instituto Politécnico de Tomar, Portugal
- Preparation method of supercapacitor based on PVC flexible substrate (20 minutes) - Dr. Ping Zhu, North University of China, China
- ReaxFF Molecular Dynamics Investigation on the Magnesium Hydride Fracture (20 minutes) - Dr. Hasan Almatrouk, Kuwait Institute for Scientific Research, Kuwait

Session: Berlin

Topic: Climate change and energy

Room: Central Park

Moderator: Dr. David Chow, University of Liverpool, United Kingdom

- Preliminary analysis of the development of the Carbon Tracker system in Latin America and the Caribbean (20 minutes) - Dr. Park IL-SOO, Hankuk University of Foreign Studies, Korea South
- Gas separation using Silica Membrane incorporating a CO₂ Quantum Cascade gas detector for CO₂ emissions control (20 minutes) - Dr. Ngozi Nwogu, Robert Gordon University, United Kingdom
- Temperature and humidity management method of direct fresh-air cooling for energy-saving in modular data centers (20 minutes) - Mr. Hiroshi Endo, Fujitsu Laboratories Ltd., Japan
- Bottom-up Model for an Industrial Sector in South Korea (10 minutes) - Mr. Hwarang Lee, Seoul National University, Korea South

Session: Edinburgh

Topic: Energy and environment

Room: International Suite

Moderator: Prof. Chuxia Lin, University of Salford, United Kingdom

- Effective Design for Environmental Application of TiO₂ Photocatalysts (20 minutes) - Dr. Tsuyoshi

Ochiai, Kanagawa Academy of Science and Technology, Japan

- Sustainability metrics for biomass-based basic chemicals (20 minutes) - Dr. Edit Csefalvai, Budapest University of Technology and Economics, Hungary
- Theoretical analysis of steam generation methods – the case of high temperature heat pump (20 minutes) - Dr. Frédéric Bless, NTB University of Applied Sciences of Technology Buchs, Switzerland

Session: Juelich

Topic: Transformation of energy systems

Room: Victoria Park

Moderator: Prof. Wilhelm Kuckshinrichs, Deputy Head, Institute of Energy and Climate Research, Germany

- Mission Driven Energy Management to Create Sustainable Organizations: Integrating Behavior, Organization and Technology (20 minutes) - Dr. John Reed, Innovologie LLC, United States
- Advances on Coordinated Energy Management in Prosumer Communities (20 minutes) - Prof. Rodrigo Verschae, Kyoto University, Japan
- The British Power System and Interconnectors: Analysing the Implications of Brexit (20 minutes) - Dr. Christopher Ball, Forschungszentrum Jülich, Germany
- Consumers' Evaluation of Public Charging Infrastructure for Electric Vehicles (10 minutes) - Mr. Joachim Globisch, Fraunhofer ISI, Germany

Session: Manchester

Topic: Nuclear energy

Room: Senate

Moderator: Mrs. Carmen Tuca, Horia Hulubei National Institute for Physics and Nuclear Engineering, IFIN-HH, Romania

- Analyses of Bubble Passage Induced Reactivity Insertion using MARS-LMR (20 minutes) - Dr. Chiwoong Choi, Korea Atomic Energy Research Institute, Korea South
- Visualization Experiment on Zirconium Alloy-Steam Reaction (20 minutes) - Dr. Hidetoshi Okada, Institute of Applied Energy, Japan
- Measurement on Effective Thermal Conductivity of Pebble Bed in High Temperature Gas-cooled Reactor (20 minutes) - Dr. Cheng Ren, Tsinghua University, China

- A Safe Ultra-Long-Cycle Sodium-Cooled Reactor Core with Driver-Blanket Mixed Assemblies (15 minutes) - Mr. GeonHee JUNG, Kyung Hee University, Korea South

Session: Oxford

Topic: Energy efficiency

Room: Park Avenue

Moderator: Dr Henry Tan, University of Aberdeen, United Kingdom

- The First-principles Calculations of M-doped VO₂ Nanoparticles for Thermochromic Energy-Saving Foils (20 minutes) - Prof. Qinghua Ren, Shanghai University, China
- Catalytic naphtha cracking over zeolite-based composites for on-purpose propylene production at low energy consumption (20 minutes) - Dr. Shinya Hodoshima, Chiyoda Corporation, Japan
- Energy Conversion Measures in the Industries of Saudi Arabia and Development of Methodology for Certification of Energy Personnel in the Kingdom (20 minutes) - Dr. Abdullah Alshehri, King Abdulaziz University, Saudi Arabia
- Loss Analysis of Dielectric Elastomer Generator by Using One Axial Loading (10 minutes) - Mr. Sathin Sriyuttakrai, Fukuoka Institute of Technology, Japan

Session: Rutgers

Topic: Porous materials and structures for energy applications

Room: Hyde Park

Moderator: Prof. Kegong Fang, Institute of Coal Chemistry, Chinese Academy of Sciences, China

- In Silico Design of Metal-Organic Frameworks for Post-combustion Carbon Capture: Effects of Pore Size, Topology and Functionality (20 minutes) - Prof. Song Li, Huazhong University of Science and Technology, China
- Rational Design and Synthesis of Carbazole-based Porous Organic Polymers for Enhanced Carbon Capture (20 minutes) - Prof. Honglai Liu, East China University of Science and Technology, China
- 1D-2D-3D Transformation Synthesis of Hierarchical Metal-Organic Framework Adsorbent for Multicomponent Alkane Separation (20 minutes) - Dr. Lik Hong Wee, University of Leuven, Belgium

Session: Seoul

Topic: Bioenergy

Room: Park Lane

Moderator: Prof. Jia-Ming Chern, Tatung University, Taiwan

- Improvement of gaseous energy recovery from organic wastes by biohythane process (30 minutes) - Prof. Das Debabrata, Indian Institute of Technology Kharagpur, India
- The Opportunity of Bioethanol Production from Palm Oil Industry Waste in Indonesia (20 minutes) - Prof. Yanni Sudiyani, Indonesian Institute of Sciences, Indonesia

SCHEDULE FOR PARALLEL H

16/08/2017, 11:30 - 13:10

Session: Aachen

Topic: Energy policy

Room: Victoria Park

Moderator: Dr. Jonathan Williamson, Lycoming College, United States

- Present status of a revenue-neutral “four-E” policy on energy, employment, equality and the environment (20 minutes) - Prof. Dave Wilson, MIT, United States
- Public acceptance of environmentally friendly electric heating in rural Beijing (15 minutes) - Ms. Jingchao Zhang, Kochi University of Technology, Japan
- Green energy, fiscal incentive and conflicting signals: analysing the challenges faced in promoting on-farm waste-to-energy projects (20 minutes) - Dr. Hafez Abdo, Nottingham Trent University, United Kingdom

Session: Argonne

Topic: Energy storage

Room: Portland

Moderator: Dr. Danny Müller, TU Wien, Austria

- Identification of capacity-loss prediction models of lithium-ion batteries (20 minutes) - Dr. Christoph Hametner, Vienna University of Technology, Austria
- Metal foams as an effective means to improve the performance of PCM thermal storage systems (20 minutes) - Dr. Ahmed Alhusseny, The University of Manchester, United Kingdom

- $\text{Na}_3\text{Zr}_2(\text{SiO}_4)_2(\text{PO}_4)$ prepared by a solution-assisted solid state reaction (10 minutes) - Mr. Sahir Naqash, Forschungszentrum Jülich GmbH, Germany
- Oxalate-hydrates in thermochemical energy storage – a so far neglected class of salt hydrates (10 minutes) - Mr. Christian Knoll, TU Wien, Austria

Session: Liverpool

Topic: Energy harvesting

Room: International Suite

Moderator: Dr. Ye Tao, National Research Council of Canada, Canada

- The Large Consequences of Nano-Technology: Energy Harvesting with Wide Bandgap Semiconductor Materials and Devices (30 minutes) - Prof. Ian Ferguson, Missouri University of Science and Technology, United States
- Enhanced thermoelectric performance in partially substituted melt grown higher manganese silicides (20 minutes) - Prof. Yuzuru Miyazaki, Tohoku University, Japan
- Surface modification of photovoltaic conversion devices due to interfacial charge-transfer (ICT) transition based on Nb doped TiO_2 electrode with TCNQ (10 minutes) - Mr. Reo Eguchi, Tokyo University of Science, Japan
- An Analytic Study on the Thermoelectric Figure of Merit (20 minutes) - Dr. Najeh Zarir, University of Sharjah, United Arab Emirates

Session: Oxford

Topic: Energy efficiency

Room: Park Avenue

Moderator: Prof. Sahar Najeeb Kharrufa, Ajman University, United Arab Emirates

- Optimal Energy-efficient Timber-glass Upgrade Module for Renovation of Old Existing Buildings (20 minutes) - Prof. Miroslav Premrov, University of Maribor, Slovenia
- Unit Energy Production Based on Energy not Supplied (20 minutes) - Prof. Abdullah M. Al-Shaalan Al-Shaalan, King Saud University, Saudi Arabia
- Energy Efficiency and Utility Pricing Constraints in Africa (20 minutes) - Prof. Godfred A. Bokpin, University of Ghana, Ghana

- Laser Based Surface Modification of Titanium Alloys for Energy Efficiency in Aero-engine Applications (10 minutes) - Mr. Gabriel Farotade, Tshwane University of Technology, Pretoria, South Africa, South Africa

Session: Seoul

Topic: Bioenergy

Room: Park Lane

Moderator: Prof. Das Debabrata, Indian Institute of Technology Kharagpur, India

- Development of an engine control system using city gas and biogas fuel mixture (20 minutes) - Prof. Shigehiko Kaneko, The University of Tokyo, Japan
- Microscale Analysis of Multiple Stress Effect on Lipid Production from Microalgae for Rapid Condition Optimization of Biodiesel Production (20 minutes) - Prof. Sang Jun Sim, Korea University, Korea South
- Long term and short term look to biomass potential from agriculture land and from forestry (20 minutes) - Prof. Jaroslav Knápek, Czech Technical University in Prague, Czech Republic

Session: Uppsala

Topic: Environmental impact of materials

Room: Senate

Moderator: Prof. Karl Ulrich Kainer, Helmholtz-Zentrum Geesthacht, Germany

- PIXE Analysis of Synthetic Turf (20 minutes) - Prof. Michael Vineyard, Union College, United States
- Recovery of trace uranium ions from simulated wastewater with FeCl_3 -palygorskite with Sodium alginate beads (15 minutes) - Miss Aixia ZHOU, Beijing Normal University, China
- Preparation and compressive behavior of lightweight cenosphere fly Ash/Al syntactic foams (15 minutes) - Dr. Qiang Zhang, Harbin Institute of Technology, China

SCHEDULE FOR PARALLEL I

16/08/2017, 15:30 - 17:10

Session: Dallas

Topic: Energy catalyst

Room: Victoria Park

Moderator: Dr Henry Tan, University of Aberdeen, United Kingdom

- Novel biogenic catalysts with multiple applications in low-energy and energy generating processes (30 minutes) - Prof. Lynne Macaskie, University of Birmingham, United Kingdom
- Higher alcohol synthesis from syngas over Mn₂O₃-Al₂O₃ composites supported Cu-Co alloy (20 minutes) - Dr. Lu Zhao, Institute of Coal Chemistry, Chinese Academy of Sciences, China
- Solving the master equation without kinetic Monte Carlo: Tensor-train approximations for a CO oxidation model (10 minutes) - Mr. Patrick Gelß, Freie Universität Berlin, Germany

Session: Edinburgh

Topic: Energy and environment

Room: International Suite

Moderator: Dr. Frédéric Bless, NTB University of Applied Sciences of Technology Buchs, Switzerland

- Theoretical prediction of sulfuric acid condensation rates in boiler flue gas (20 minutes) - Prof. Kwangkook Jeong, Arkansas State University, United States
- Combustion Characteristics of Hydrogen Arrayed Micro-Burner (20 minutes) - Prof. Noriyuki KOBAYASHI, Nagoya University, Japan
- Petroleomics: A More Detailed Understanding of Petroleum Using Fourier Transform Ion Cyclotron Resonance Mass Spectrometry (20 minutes) - Dr. Mark Barrow, University of Warwick, United Kingdom
- Toxicity of particulates produced from pyrolysis of sustainable fuels (10 minutes) - Mr. Hamisu Dandajeh, University College London, United Kingdom

Session: Liverpool

Topic: Energy harvesting

Room: Park Avenue

Moderator: Prof. Ian Ferguson, Missouri University of Science and Technology, United States

- Non-Fullerene Electron Acceptor and ZnO Nanoparticles Cathode Buffer Layer in Inverted Perovskite Solar Cells (20 minutes) - Prof. Chin-Ti Chen, Academia Sinica, Taiwan
- CIGS based-thin film solar cell technology at KIER (20 minutes) - Dr. Jihye Gwak, Korean Institute of Energy Research, Korea South
- Efficiency Enhancement of Organic Solar Cells with Antireflection Nanotexture (20 minutes) - Dr. Shigeru Kubota, Yamagata University, Japan

Session: Rutgers

Topic: Porous materials and structures for energy applications

Room: Hyde Park

Moderator: Prof. Song Li, Huazhong University of Science and Technology, China

- Pore Structure Determination from Neutron Scattering (20 minutes) - Dr. J. Beau W. Webber, Lab-Tools Ltd. (nano-science), United Kingdom
- Maximizing the Density of Active Groups in Porous Poly(Ionic Liquid)s Through a Cyclotrimerization Homopolymerization for Efficient Adsorptive Desulfurization (20 minutes) - Prof. Jun Hu, East China University of Science and Technology, China
- Synthesis of three-dimensionally ordered macroporous NiCe catalysts for oxidative dehydrogenation of propane to propene (20 minutes) - Prof. Kegong Fang, Institute of Coal Chemistry, Chinese Academy of Sciences, China

Session: Uppsala

Topic: Environmental impact of materials

Room: Senate

Moderator: Prof. Michael Vineyard, Union College, United States

- Environmental Impact of Processing of Magnesium Melts (20 minutes) - Prof. Karl Ulrich Kainer, Helmholtz-Zentrum Geesthacht, Germany
- The fatigue crack propagation behavior of Z3CN20.09M duplex stainless steel in 290 °C water (20 minutes) - Prof. Bin Yang, University of Science and Technology Beijing, China
- Cadmium Induced Oxidative Stress and Response of Antioxidants in Sorghum vulgare L. Treated with Putrescine and Endomycorrhiza Glomus (15 minutes) - Mr. PRASANN KUMAR, RESEARCH FELLOW, India

Session: Washington

Topic: Biomass conversion technologies

Room: Park Lane

Moderator: Prof. Pedram Fatehi, Lakehead University, Canada

- Selective chemocatalytic production of lactic acid from glucose at room temperature (20 minutes) - Prof. Xinhua Qi, Agro-Environmental Protection Institute, Chinese Academy of Agricultural Sciences, China
- Exploring Pyrolysis and Hydrothermal Carbonization to Produce Porous Carbons for Hydrogen Storage (10 minutes) - Ms. Catalina Rodriguez Correa, University of Hohenheim, Germany
- Durability improvement of commercial H-ZSM-5 zeolite during ethanol conversion after combined post-synthesis (10 minutes) - Mr. Markus Seifert, Technische Universität Dresden, Germany

Session: Waterloo

Topic: Nexus of water systems, food and energy

Room: Portland

Moderator: Prof. Safwat H. Shakir Hanna, Texas Gulf Coast Environmental Data (TEXGED) Center, United States

- Improvement of energy generation by pressure retarded osmosis process (20 minutes) - Prof. Endre Nagy, University of Pannonia, Hungary
- A 1-D modeling study of brine management and power generation using Pressure Retarded Osmosis in the State of Kuwait. (20 minutes) - Dr. Bader Al Anzi, Kuwait University, Kuwait
- The influence of the specific interfacial area on the oxygen transfer speed from air to water (20 minutes) - Dr. Ionela Mihaela Constantin, Politehnica University of Bucharest, Romania
- Holistic modeling and simulation of water and energy demand in beverage production processes using Java and reference nets (20 minutes) - Mr. Martin Schuetz, Friedrich-Alexander University Erlangen, Germany

[Surname, First Name, Affiliation, Country]

- Abdelaty, Ibrahim Fahmy, ZADCO, United Arab Emirates
- Abdo, Hafez, Nottingham Trent University, United Kingdom
- Abdul Salam, Pakkeer Thamby, Asian Institute of Technology, Thailand
- Aboudheir, Ahmed, AEET Purenergy, China
- Adebayo, Abdulrauf, King Fahd University of Petroleum & Minerals, Saudi Arabia
- Adelmann, Andreas, PSI, Switzerland
- Ahn, Yuchan, Chonbuk National University, South Korea
- Ajib, Salman, Hochschule Ostwestfalen-Lippe, Germany
- Al-Ansari, Nadhir, Lulea University of Technology, Sweden
- Al-Anzi, Bader, Kuwait University, Kuwait
- Al-Ismaili, Abdulrahim, Sultan Qaboos University, Oman
- Al-Shaalan, Abdullah M. , King Saud University, Saudi Arabia
- Albarbar, Alhussein, Manchester Metropolitan University, United Kingdom
- Albassam, Eitidal, Kuwait Institute for Scientific Research, Kuwait
- Alhazza, Abdulsalam, Kuwait Institute for Scientific Research, Kuwait
- Almatrouk, Hasan, Kuwait Institute for Scientific Research, Kuwait
- Almutairi, Abdulrahman, College of Technological Studies, Kuwait
- Alshehri, Abdullah, King Abdulaziz University, Faculty of Engineering -Rabigh, Saudi Arabia
- Andersson, Fredrik NG, Lund University, Sweden
- Ashraf ul, Ghulam, National Institute of Technology Srinagar Jammu and Kashmir, India
- Ball, Christopher, Forschungszentrum Jülich, Germany
- Barrow, Mark, Department of Chemistry, University of Warwick, United Kingdom
- Basith, Iftekhar, Sam Houston State University, United States
- Bhojane, Prateek, Indian Institute of Technology Indore, India
- Bian, Wei, Beijing University of Technology, China

[Surname, First Name, Affiliation, Country]

Bless, Frédéric, Ntb buchs, Switzerland
 Bokpin , Godfred A, University of Ghana, Ghana
 Byun, Jaewon, Chonbuk national university, South Korea
 Cao, Wei, Tianjin University, China
 Chatterjee, Sulagna, Institute of Engineering and Management, India
 Chaudhari, Ashok, Solar-Tectic LLC, United States
 Chen, Chin-Ti, Academia Sinica, Taiwan
 Chen, Dongfang, Tsinghua University, China
 Chen, Geoffrey Chun-fung, Xi'an Jiaotong-Liverpool University, China
 Chern, Jiaming, Tatung University, Taiwan
 Chihaiia, Viorel, Institute of Physical Chemistry Ilie Murgulescu, Romanian Academy, Romania
 CHOI, Chiwoong, Korea Atomic Energy Research Institute, South Korea
 Chow, David, University of Liverpool, United Kingdom
 Cochrane, Peter , Cochrane Associates Co-Founder, Qatar
 Cooper, Nathaniel, Imperial College London, United Kingdom
 Csefalvay, Edit, Budapest University of Technology and Economics, Hungary
 Cui, Ping, Shandong Jianzhu University, China
 da Silva Borges, Wesley, Instituto Luterano de Ensino Superior de Itumbiara, Brazil
 Dandajeh, Hamisu, University College London, United Kingdom
 Darsey, Jerry, University of Arkansas at Little Rock, United States
 Das, Debabrata, Indian Institute of Technology Kharagpur, India
 Demirdelen, Tugce, Adana Science and Technology University, Turkey
 Ding, Jie, Defence Science & Technology Group, Australia
 Ding, Xiaolong, Hubei Key Laboratory of Waterjet Theory and New Technology, Wuhan University, China
 Dorado, Pilar, University of Cordoba, Spain
 Duren, Michael, Univ. Giessen, Germany
 Eggleston, Mark, Phillip Townsend Associates, Belgium

Eguchi, Reo, Nagata Lab., Japan
 Ekino, Toshikazu, Hiroshima University, Japan
 Endo, Hiroshi, Fujitsu Laboratories Ltd., Japan
 Faessler, Bernhard, FH Vorarlberg GmbH, Austria
 Fang, Kegong, Institute of Coal Chemistry, Chinese Academy of Sciences, China
 Fang, Xiang, INET, Tsinghua University, China
 Farotade, Gabriel, Tshwane University of Technology, Pretoria, South Africa
 Fatehi, Pedram, Lakehead University, Canada
 Feng, Guang, Huazhong University of Science and Technology (HUST), China
 Feng, Huihua, Beijing Institute of Technology, China
 Ferguson, Ian , Missouri University of Science and Technology, United States
 Ferrantelli, Andrea, Tallinn University Of Technology, Estonia
 Filimonov, Valeriy, Altai State Technical University, Russian Federation
 Gaikwad, Sravan, Gulbarga University , India
 Gaitàn-Alvarez, Johanna , Instituto Tecnológico de Costa Rica, Costa Rica
 Gao, Faming, Yanshan University, China
 Gao, Jianping, Tianjin University, China
 Garbs, Matthias, Georg-August University Göttingen, Germany
 Gause, Charlie , Technology Development Group LLC, United States
 Gelß, Patrick, Freie Universität Berlin, Germany
 Gil, Antonio, Public University of Navarra, Spain
 Globisch, Joachim, Fraunhofer ISI, Germany
 Guyuan, Ji, Fukuoka Institute of Technology, China
 Gwak, Jihye , Korea Institute of Energy Research (KIER), South Korea
 Haben, Stephen, University of Oxford, United Kingdom
 Hagen, Janne, Norwegian Water Resources and Energy Directorate (NVE), Norway
 Hametner, Christoph, TU Wien, Austria
 han, jeehoon, Chonbuk National University, South Korea
 Hans-Wilhelm, Schiffer, World Energy Resources programme , United Kingdom

[Surname, First Name, Affiliation, Country]

Har, Dongsoo, KAIST, South Korea	Kaneko, Katsumi, Shinshu University, Japan
Harris, Kendall, Prairie View A&M University, United States	Kaneko, Shigehiko, The University of Tokyo, Japan
Hasegawa, Miki, Aoyama Gakuin University, Japan	Kasai, Hideaki, National Institute of Technology, Akashi college, Japan
Haviar, Stanislav, University of West Bohemia, Czech Republic	Kayakutlu, Gülgün, Istanbul Technical University, Turkey
Hodoshima, Shinya, Chiyoda Corporation, Japan	Khamis, Ibrahim, International Atomic Energy Agency, Austria
Hoepfner, Andreas, Fraunhofer Institut für Fabrikbetrieb und -automatisierung IFF, Germany	Kharrufa, Sahar, Ajman University, United Arab Emirates
Hong, Ser Gi, Kyung Hee University, South Korea	Khazdozian, Helena, Ames Laboratory, Critical Materials Institute, United States
Hou, Li, Yanshan University, China	Killian, Michaela, Vienna University of Technology, Austria
Howroyd, Simon, Loughborough University, United Kingdom	Kim, Gun Woo, University of Seoul, South Korea
Hu, Jun, East China University of Science and Technology, China	Kim, Juyeon, Chonbuk National University, South Korea
Huang, Checheng, National Space Organization, Taiwan	Kirkpatrick, Iain, Loughborough University, United Kingdom
Huang, Man, Hubei Key Laboratory of Waterjet Theory and New Technology, Wuhan University, China	Knápek, Jaroslav, Czech Technical University in Prague, Czech Republic
Huang, Shangwei, Tsinghua University, China	Knoll, Christian, TU Wien, Austria
Huleihil, Mahmoud, beit berl academic college, Israel	Kobayashi, Noriyuki, Nagoya University, Japan
Hwang, Seung Sang, Materials Architecturing Research Center, Korea Institute of Science and Technology, South Korea	Koo, Jeong Seo, Seoul National University of Science and Technology, South Korea
Il Soo, Park, Korea-Latin America Green Convergence Center, Hankuk University of Foreign Studies, South Korea	Koo, Yoonmo, Seoul National University, South Korea
Ilnicka, Anna, Nicolaus Copernicus University, Poland	Korili, Sophia A, Public University of Navarra, Spain
Iversen, Johnny, Sweco Denmark A/S, Denmark	Kubota, Shigeru, Yamagata University, Japan
Jang, Ji-Hyun, UNIST, South Korea	Kuckshinrichs, Wilhelm, Forschungszentrum Juelich GmbH, Germany
Jeong, Kwangkook, Arkansas State University, United States	Kumar, Prasann, Banaras Hindu University, India
Jisrawi, Najeh, University of Sharjah, United Arab Emirates	Kun, Robert, University of Bremen, Germany
Johansson, Gunnar, Uppsala university, Sweden	Kuperberg, Moty, Dynamic Shipping Services, Israel
Jourdain, Renaud, Cranfield University / Precision Engineering Institute, United Kingdom	Kusumawati, Yudhitya, The University of Tokyo, Japan
Jung, Geonhee, Kyung Hee University, South Korea	Kyyt, Keio, Estonian University of Life Sciences, Estonia
Kabelo, Machethe, Tshwane University of Technology, South Africa	Lawdensky, Valerie, University of Nevada, Las Vegas, United States
Kaczmarek, Piotr, Fiorentini Polska, Poland	Lee, Hwarang, Seoul National University, South Korea
Kainer, Karl Ulrich, Helmholtz-Zentrum Geesthacht, Germany	Lee, Jaeyoung, Handong Global University, South Korea
	Lee, Kung-Yen, National Taiwan University, Taiwan
	Leva, Maria Chiara, Dublin Institute of Technology, Ireland

[Surname, First Name, Affiliation, Country]

Ireland

Li, Hongna, Chinese Academy of Agricultural Sciences, China

Li, Rongbin, Tsinghua University, China

Li, Song, Huazhong University of Science and Technology, China

Li, Tao, MediaTek.Inc, China

Lim, Dong-Hee, Chungbuk National University, South Korea

Lim, Tian Kuay, Urban Redevelopment Authority, Singapore

Lin, Chuxia, University of Salford, United Kingdom

Liu, Honglai, East China University of Science and Technology, China

Liu, Wenchuan, Hubei Key Laboratory of Waterjet Theory and New Technology, China

Liu, Xiaoxia, Northeastern University, China

Lu, Beibei, Nanjing Tech University, China

Lupíšek, Anotnín, Czech Technical University in Prague, Czech Republic

Ma, Yuanyuan, Xi'an Jiaotong University, China

Ma, Yue, China University of Petroleum-Beijing, China

Ma, Zhiwei, University of Alberta, Canada

Macaskie, Lynne, University of Birmingham, United Kingdom

Machetti, Lucio, Terranova, Italy

Maharaj, Davatee, University of West Indies, Trinidad and Tobago

Marques Silva, Ludimila, Instituto Luterano de Ensino Superior de Itumbiara, Brazil

Matsubara, Daisuke, hitachizosen, Japan

Mika, Laszlo T, Budapest University of Technology and Economics, Hungary

Miyazaki, Yuzuru, Tohoku University, Japan

Mohammed, Ahmed, Iraq-Kurdistan Region-Sulaimani-University of Sulaimani, Iraq

Morgana, Nelson, Universidad De La Serena, Chile

Mustaffar, Ahmad, Newcastle University, United Kingdom

Müller, Danny, TU Wien, Austria

Nagy, Endre, University of Pannonia, Hungary

Naqash, Sahir, Forschungszentrum Jülich GmbH, Germany

Nasser, Adel, The University of Manchester, United Kingdom

Nunes, Valentim, Instituto Politécnico de Tomar, Portugal

Nwogu, Ngozi, School of Engineering and Engineering Technology, Nigeria

Ochiai, Tsuyoshi, Kanagawa Institute of industrial Science and TEChnology (KISTEC), Japan

Oculi, Fabien, IUT Villetaneuse, France

Okada, Hide, The Institute of Applied Energy, Japan

Paiva Martins, Rodrigo Ferrao de , Uninova / CEMOP, Portugal

Palacio, Diana, University of Warwick, United Kingdom

Papaioannou, Vicky, University of Reading, United Kingdom

Park, Jong Woon, Dongguk University, South Korea

Park, Sanggil, Handong Global University/ACT, South Korea

Peng, Wei, Tsinghua University, China

Peng, Yi, Beijing University of Technology, China

Pequeno de Oliveira, Helinando, Universidade Federal do Vale do São Francisco, Brazil

Pettersen, Jon-Martin, The Norwegian Water Resources and Energy Directorate, Norway

Phanichphant, Sukon, Chiang Mai University, Thailand

Ponomarev, Leonid, A.A.Bochvar High Tekhnology Institute of Inorganic Materials, Russian Federation

Premrov, Miroslav, University of Maribor, Slovenia

Proum, Sorya , Royal University of Phnom Penh, Cambodia

Qi, Xinhua, Agro-Environmental Protection Institute, Chinese Academy of Agricultural Sciences, China

Rachaputi, Rao (RCN), The University of Queensland, Australia

Raffelt, Klaus, KIT, Karlsruher Institut für Technologie, Germany

Rafighdoust, Yasaman, Binalood university, Iran

Rashedi-Sioshansi, Freshteh , Menlo Energy, United States

Read, Mark, University of Birmingham, United Kingdom

Reed, John, Innovologie LLC, United States

Ren, Cheng, Tsinghua University, China

[Surname, First Name, Affiliation, Country]

Ren, Qinghua, Shanghai University, China	Tao, Ye, National Research Council of Canada, Canada
Rhee, GwangHoon, University of Seoul, South Korea	Thomas, Mary, University of Warwick, United Kingdom
Rincón, Julio, Autonomous University of Baja California, Mexico	Toke, David, University of Aberdeen, United Kingdom
Rios Festner, Daniel Alberto, Polytechnic Faculty National University of Asuncion, Paraguay	Trotter, Philipp, University of Bath, United Kingdom
Rodriguez Correa, Catalina, University of Hohenheim, Germany	Tsyganov, Edouard, Cold Fusion Power Company LLC, United States
Romero-Salazar, Carolina, Autonomous University "Benito Juárez" of Oaxaca, Mexico	Tsyganova, Nina, Cold Nuclear Power International LLC, United States
Ropuszynska-Surma, Edyta, Wroclaw University of Science and Technology, Poland	Tuca, Carmen, IFIN-HH, Romania
Sagir, Muhammad, University of Gujrat, Pakistan	Turner, Karen, University of Strathclyde, United Kingdom
Scherler, Soeren, Ostfalia University of Applied Sciences, Germany	Uhm, Young Rang, Korean Atomic Energy Research Institute (KAERI), South Korea
Schroder, Thomas, Forschungszentrum Jülich, Germany	Uilhoorn, Ferdinand Evert, Warsaw University of Technology, Poland
Schütz, Martin, Institute of Fluid Mechanics Technical Faculty Friedrich-Alexander University Erlangen, Germany	van der Gryp, Percy, Stellenbosch University, South Africa
Seifert, Markus, Technische Universität Dresden, Inorganic Molecular Chemistry, Germany	Vanherle, Kris, Transport & Mobility Leuven, Belgium
Shakir Hanna, Safwat, Prairie View A&M University, United States	Vasconcelos, Paulo Sergio, UFGD - Federal University of Grande Dourados, Brazil
Shtiza, Aurela, IMA-Europe, Belgium	Vavrova, Kamila, Silva Taroucy Research Institute for Landscape and Ornamental Horticulture, Public Research Institution, Czech Republic
Sim, Sang Jun, Korea University, South Korea	Venkatesan, Vijay Anand, India
Sinclair, Philip, Eco-Design and Policy Ltd, United Kingdom	Verschae, Rodrigo, Kyoto University, Japan
Sioshansi, Fereidoon, Menlo Energy, United States	Vineyard, Michael, Union College, United States
Soeder, Daniel, South Dakota School of Mines & Technology, United States	vriesendorp, huib, Phase2 Therapy, United States
Song, Yanyan, Northeastern University, China	Wang, Jie, Tsinghua University, China
Sriyuttakrai, Sathin, Fukuoka Institute of Technology, Japan	Webber, Beau, Lab-Tools Ltd. (nano-science), United Kingdom
Steiniger, Helen , Next Kraftwerke, Germany	Wee, Lik Hong, University of Leuven, Belgium
Sudiyani, Yanni, Research Center for Chemistry, Indonesian Institute of Sciences, Indonesia	Weglarz, Magdalena, Wroclaw University of Science and Technology, Poland
Sundaram, Sivasankari, SRM University Kattankulathur, India	Wei, Bingqing, University of Delaware, United States
Sundaram, Smitha, Eindhoven University of Technology, Netherlands	Weil, Marcel, KIT/ITAS Germany, Germany
Suominen, Milla, University of Turku, Finland	Williamson, Jonathan, Lycoming College, United States
Tachtouch, Bourhan, JUST, Jordan	Wilson, Dave , MIT , United States
Tan, Henry, Aberdeen University , United Kingdom	Won, Hyun Woo, Aramco Overseas Company B.V., France
	Wu, Yuxiang, China Nuclear Power Engineering Co. Ltd., China

[Surname, First Name, Affiliation, Country]

Xia, Hongde, Institute of Engineering Thermophysics,
Chinese Academy of Sciences, China

Xia, Zhang, Northeastern University, China

Yang, Bin, University of Science & Technology Beijing,
China

Yang, Minhao, centralesupelec, France

YANG, Xiaoyong, Tsinghua University, China

Ye, Jiandong, Beijing Association of Sustainable
Development, China

YE, PING, Tsinghua University, China

Yee, Eric, KEPCO International Nuclear Graduate
School, South Korea

Yu, Mingzhi, Shandong Jianzhu University, China

Yu, Shen, Institute of Urban Environment, Chinese
Academy of Sciences, China

Yunlong, Tian, Institute of Environment and
Sustainable Development in Agriculture, CAAS, China

Zellati , Amir, University of Birjand, Iran

Zhang, Haining, Wuhan University of Technology,
China

Zhang, Jingchao, Kochi University of Technology,
Japan

Zhang, Mei, University of Science and Technology
Beijing, China

Zhang, Qiang, Harbin Institute of Technology, China

Zhang, Weirong, Tokyo Polytechnic University, Japan

zhang, xiangping, Institute of Process Engineering,
Chinese Academy of Sciences, China

Zhang, Xueyan, Dalian University of Technology,
China

Zhang, Zhen, Tsinghua University, China

Zhang, Zhentao, Technical institute of physics and
chemistry,CAS, China

Zhao, Gang, Tsinghua University, China

Zhao, Lu, Institute of Coal Chemistry, Chinese
Academy of Sciences, China

Zhi, Shengke, Amec Foster Wheeler, United Kingdom

Zhou, Aixia, Beijing Normal University, China

Zhu, Liang, Zhejiang University, China

Zhu, Ping, North University of China, China

Zwierzchowski, Ryszard, Warsaw University of
Technology, Poland



www.nscj.co.uk

+44 (0)1224 875 635

info@nscj.co.uk