



**Economy, Sustainable Development, and Energy International
Conference (ESDEIC)
GENERAL SCIENTIFIC PROGRAMME**

Monday, 25th of June 2018	
12:30	Registration
13:00-14:30	Lunch and welcome reception by Professor Claire Seaman, co-chair of the conference.
14:30:18:30	Oral communications I

Tuesday, 26th June 2018	
9:00-17:30	Registration
9:15-10:00	Opening keynote The European Commission LIFE projects by Eveline Durieux, Information & Communication Senior Expert LIFE Communications Team - NEEMO GEIE, Belgium
10:00-11:00	Oral communications II
11:00-11:40	Coffee Break & Poster session I
11:40-13:00	Oral communications III
13:00-14:00	Lunch
14:00-17:30	Oral communications IV

Wednesday, 27th of June 2018	
9:00-13:45	Registration
9:00-10:20	Oral communications V
10:20-11:20	Coffee Break & Poster session II
11:20-13:20	Oral communications VI
13:20-14:20	Lunch
14:30-15:30	Keynote speaker Revisiting the Research Unit of Analysis in Family Enterprise Research by Professor Leo-Paul Dana Montpellier Business School, France
15:30-17:30	Oral Communications VII



DETAILED SCIENTIFIC PROGRAMME

Monday, 25th of June 2018	
12:30	Registration
13:00-14:30	Lunch and welcome reception by Professor Claire Seaman, co-chair of the conference.
14:30-18:30	Oral communications I
	Session I.1. Room A1
	<p>How Practical Green Meeting can reduce Carbon Footprint and Contributed Green University? Tatsanawalai Utarasakul Suan Sunandha Rajabhat University, Thailand</p> <p>Assessment and comparison of vulnerability maps of Delhi using DRASTIC and GOD models Deeksha Katyal, Tapasya Tomer, Varun Joshi Guru Gobind Singh Indraparastha Univerity, India</p> <p>A Study of renewable energy management in Suan Sunandha Rajabhat University Chaiwat Waree Suan Sunandha Rajabhat University, Thailand</p> <p>Implementing Goods and Services Tax (GST) in India: Towards Sustainable Development Divya Gakhar Guru Gobind Singh Indraparastha Univerity, India</p> <p>Factor Affecting on Public Awareness Concerning University Environment Somruay Apichatibutarapong Suan Sunandha Rajabhat University, Thailand</p> <p>Wastewater Management and Community Participation in Amphawa District, Samut Songkhram Province, Thailand Srisuwan Kasemsawat, Sivapan Choo-in, Tatsanawalai Utarasakul Suan Sunandha Rajabhat University, Thailand</p> <p>Role of environmental dimensions and competition in the industry in attaining sustainability: A study of small entrepreneurial firms in India Deepti Prakash Guru Gobind Singh Indraparastha Univerity, India</p>



	<p>Application of Geo-informatics to estimate agricultural water use in Samut Songkhram Province, Thailand Walaiporn Phonphan Suan Sunandha Rajabhat University, Thailand</p> <p>Species diversity and Abundance of Birds along Boat Touring Routes for Ecotourism in Tha Ka Sub-district, Amphawa District, Samutsongkram Province, Thailand Nititnarth Charoenpokaraj, Petchpanom Chitman Suan Sunandha Rajabhat University, Thailand</p> <p>Species diversity and Abundance of Birds along Boat Touring Routes for Ecotourism in Tha Ka Sub-district, Amphawa District, Samutsongkram Province, Thailand Nititnarth Charoenpokaraj, Petchpanom Chitman Suan Sunandha Rajabhat University, Thailand</p>
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TUESDAY, 26th JUNE 2018	
9:00-17:30	Registration
9:15-10:00	<p>Opening keynote The European Commission LIFE projects by Eveline Durieux, Information & Communication Senior Expert LIFE Communications Team - NEEMO GEIE, Belgium</p>
10:00-11:00	<p>Oral communications II Session II. Room A1</p> <p>Comparative analysis of thermal performance between courtyards in Mediterranean climate Victoria Patricia López-Cabeza, Carmen Galán-Marín, Carlos Rivera-Gómez, Jorge Roa-Fernández University of Seville, Spain</p> <p>Experimental study on the flow boiling heat transfer characteristics in a mini-channel with offset fins Tao Wen, Hongbo Zhan, Yimo Luo, Dalin Zhang Nanjing University of Aeronautics and Astronautics, China</p> <p>Assessment of greenhouse gas (GHG) emission from hydropower reservoirs in Malaysia Ming Fai Chow, Muhammad Aliff Bakhrojin, Harizah Haris, Akilash Aravind Dinesh Tenaga Nasional Malaysia University, Malaysia</p>



11:00-11:40	Coffee Break & Poster session I
11:40-13:00	Oral communications III
	Session III. Room A1
	<p>Designing the future: an intelligent system for zero-mile food production by upcycling wastewater Fiammetta Costa, Alessandra Amati, Klaudia Krasojevic, Carlo Vezzoli, L. Lucchini, A. Nebuloni, M. Meraviglia, P. Volontè, M. Grana, M. Ziyae, G. Coccetta, A. Ferrante, M. Antonelli, M. Di Mauro, R., Mangiarotti, C.E. Standoli, R. Sironi, G. Vignati, F. Spanu, P. Perego Tor Vergata University, Italy</p> <p>Engineering properties of three types of compressed stabilized earthen blocks for building purposes Carlos Rivera-Gómez, Carmen Galán-Marín University of Seville, Spain</p> <p>Used of Cockle Shells and Oil Palm Shells as Aggregate Partial Replacemenmt in Sustainable Concrete Noor Faisal Abas, Zakariah Abd Ghani, Nor Nadiah Rahmad University Sains Malaysia, Malaysia</p> <p>Anaerobic treatment of spent wash from distilled gin production in UASB reactors Carlos Rico, Jesús Andrés Montes University of Cantabria, Spain</p>
13:00-14:00	Lunch
14:00-17:30	Oral communications IV
	Session IV. Room A1
	<p>Sustainable Development: Evaluating Optimal Technique for Spatial Data Forecast Gaurav Kumar, Rajiv Gupta Birla Institute of Technology and Science, India</p> <p>Life cycle analysis of industrial excess heat for district heating Audrey Tanguy, Jean-Baptiste Bahers, Lynda Aissani Ecole des Métiers de l'Environnement, France</p> <p>Modelling of demand driven biogas plants to cover residual load rises Lena Peters, Piotr Biernacki, Frank Uhlenhut, Sven Steinigeweg University of Applied Sciences Emden//Leer, Germany</p>



Synergistic effect of ultrasonication, secondary acid hydrolysis, and electrokinetics on sewage sludge dewatering

Gordon Yang
National Sun Yat-Sen University, Taiwan

Thermal performance of lithium bromide ejector-boosted absorption

Umar Aliyu Muhammad, Umar Aliyu Muhammad, Bhattacharyya
Debabrata, Pamidi Sreenivaasa
Cranfield University, United Kingdom

LCA analysis of three types of interior partition walls used in buildings

Yovanna Valencia-Barba, José Manuel Gómez-Soberón
Polytechnic University of Catalonia, Spain

The application of remote sensing and GIS technology to erosion risk mapping

Esther Oluwafunmilayo Makinde, Esther Ife Oyebanji
University of York, United Kingdom

Recent Design Optimization Methods for Energy-Efficient Electric Motors and derived Requirements for a new improved Method

Johannes Schmelcher, Achim Kampker, Dieter Gerling, Kai Kreisköther,
Max Kleine Büning
University of Applied Sciences Ravensburg-Weingarten, Germany

In-situ Regeneration of Activated Carbon using Electric Potential Swing Desorption (EPSD) for CO₂ and H₂S Removal from Biogas

Muhammad Farooq, Muhammad Imran, Shahid Imran, Muhammad
Farhan, Fahid Riaz, John M Andresen
Heriot-Watt University, United Kingdom

Investigation on the regeneration performance of a newly mixed liquid desiccant solution in a falling film regenerator

Wen Tao, Dan Zhong, Yuanhao Wang, Yi Chen, Yimo Luo
Technological and Higher Education Institute of Hong Kong
China

Room temperature synthesis of polyhedral Cu₂O/TiO₂ composites for photocatalytic hydrogen evolution: Effect of Cu₂O content

Miguel Valenzuela, Fernando Plascencia-Hernandez, Francis Toma,
Guadalupe Valverde-Aguilar, Christophe Colbeau-Justin, Hynd Remita
Polytechnic National Institute, Mexico

CO₂ photocatalytic reduction to ethanol on Pt/Fe (MOF)

Miguel Valenzuela, Elizabeth Rojas-García, Ana Marisela Maubert-Franco,
Christophe Colbeau-Justin, Hynd Remita
Polytechnic National Institute, Mexico



WEDNESDAY, 27th OF JUNE 2018	
9:00-14:10	Registration
9:00-10:20	Oral communications V. Session V. Room A1
	<p>Establishment of Low Carbon Campus Assessment: scale down the city-based evaluation into campus-wide application Irina Safitri Zen, Masalah Bandi, Kasturi Devi Karniah, Rozana Zakaria and Iklil Nabihah Binti Abu Bakar. Technologic University Malaysia, Malaysia</p> <p>Performance of desiccant enhanced evaporative cooling system based on high-low control Yi Chen, Dan Zhong, Huaxia Yan, Xiaohui She, Tao Wen, Yimo Luo Technological and Higher Education of Institute of Hong Kong, China</p> <p>Simulating the impact of climate change on flood mitigation function of green infrastructures in tropical urban catchment Ming Fai Chow, Harizah Haris, Akhilash Arvind Dinesh, Muhammad Fahdullah Abu Bakar Tenaga Nasional Malaysia University, Malaysia</p> <p>Land Cover Mapping Using Sentinel-1 SAR Satellite Imagery of Lagos State for 2017 Esther Makinde, Oluwasegun Oyelade University of York, United Kingdom</p>
10:20-11:20	Coffee Break & Poster session II
11:20-13:20	Oral communications VI Session VI. Room A1
	<p>Experimental and numerical study on the dehumidification performance of potassium formate solution Yimo Luo, Ketong Yu, Tao Wen, Liyuan Sheng Nanjing University of Aeronautics and Astronautics, China</p> <p>Evaluation of the optimal operation of cascade hydropower reservoirs: A case study in Cameron Highlands river basin, Malaysia Ming Fai Chow, Shabbir M.D, Nik Muhammad Faris Mohd Rasidi, Muhammad Fahdullah Abu Bakar University Tenaga Nasional Malaysia, Malaysia</p> <p>Determinants of sustainable energy consumption in schools Daiva Dumciuviene, Akvile Cibinskiene, Mark Melenhorst, Jasminko Novak Kaunas University of Technology, Lithuania</p>



	<p>Study on the transient performance of a liquid desiccant dehumidifier under variational boundaries Yimo Luo, Dan Zhong, Yi Chen, Tao Wen, Meng Wang Technological and Higher Education Institute of Hong Kong, China</p> <p>Smart vs intelligent & sustainable architectural environments Sheetal Sharma, Prafull Sharma MANIT, India</p> <p>The Role of Consumption and Trade Openness on Carbon Emissions: A Dynamic Time Series Evidence from South Africa Betchani Tchereni North-West University, South Africa</p>
13:20-14:20	Lunch
14:30-15:30	<p>Keynote speaker Revisiting the Research Unit of Analysis in Family Enterprise Research by Professor Leo-Paul Dana Montpellier Business School, France</p>
15:30-17:30	<p>Oral Communications VII Session VII. Room A1</p> <p>Consumer's Willingness to Pay and Socio-Economic Determinants for Plastic Bag Charges in Malaysia: Who are the Supporters? Irina Safitri Zen Technologic University Malaysia, Malaysia</p> <p>Sustainable development from business perspective – literature review Jana Svecova Masaryk University, Czech Republic</p> <p>Economics in the Anthropocene: Species Extinction or Steady State Economics Joery Sol University of Amsterdam, The Netherlands</p> <p>Fuelwood – The Backbone of Indian Rural Energy Economy – A Way Forward Pawas Suren Ethiopian Civil Service University, Ethiopia</p> <p>Sustainable Built Environment in Kazakhstan: the way forward Aigerim Uyzbayeva National Laboratory Astana, Kazakhstan</p>



	<p>Developing a Framework for Social Sustainability in the Oil and Gas Industry in the Niger Delta Augustine Benni, Joseph Howe, Steve Wilkinson University of Chester, United Kingdom</p> <p>Monitoring Development Sustainability through Sustainable Community Indicators Somchai Jitsuchon Thailand Development Research Institute, Thailand</p> <p>Coordinating contribution in crowdfunding sustainable entrepreneurship Stefan Pabst, Martina Wayand, Alwine Mohnen Technical University of Munich, Germany</p>
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POSTERS SESSION I

An Importance Weight Evaluation of Impact Factors for Assessing Energy Technology Competitiveness Levels

Deokki Lee, Mira Park, Min Hee Park, Chihye Bae, Hyejin Kim
Korea Institute of Energy Research, South Korea

A new affordable masonry system based on unfired clay sandwich panel

Sofía Mobili, Carmen Galán-Marín, Carlos Rivera-Gómez
University of Seville, Spain

A novel multifunctional insulation coating based on waste marble powder

Yuanhao Wang
Technological and Higher Education Institute of Hong Kong, China

Mathematical Programming based Decision-making framework for Sustainably Intelligent Operation of Renewable Energy Systems using Energy Storage System

Jun-Hyung Ryu
Dongguk University, South Korea

On a New Digital Electrotherapy Equipment with Microcontrollers and Complex Programmable Logic Device

Thanh Hoa Nguyen, Thi Bich Yen Pham
Hung Duong Jsc, Vietnam

On the influence of shade in improving thermal comfort in courtyards

Carmen Galán-Marín, Victoria Patricia López-Cabeza, Carlos Rivera-Gómez, Juan Manuel Rojas-Fernández
University of Seville, Spain



POSTERS SESSION II

Is it easier for minority groups to integrate in the work force when they are self-employed? A Case Study in the Israeli labour market

Tal Shahor

The Academic College of Emek Yezreel, Israel

A critique to the rural development policy of Mexico

Guillermo Salas-Razo, Tannya V. Rivera-Gutierrez, Guillermo Salas-Orozco, Jesus A. Rojo-Martínez

Michoacana de San Nicolas de Hidalgo University, Mexico

The effect of education level on wages

Tal Shahor

The Academic College of Emek Yezreel, Israel

The counteraction of sexual abuse of minors in the Russian Federation

Lyudmila Bukalerova, Alexandra Vasilenko, Mariya Simonova

RUDN University, Russia

An efficient Cartel-operating strategy

Tal Shahor

The Academic College of Emek Yezreel, Israel

Problems of protection of information security of minors in Russia

Liudmila Bukalerova, Anzhela Dolzhikova, Alexandra Vasilenko

RUDN University, Russia

NON-PRESENT PARTICIPATIONS

Household savings and consumption expenditure: evidence in South Africa

Kebitsamang Sere, Betchani Tchereni

North-West University, South Africa

The importance of fault prediction in a Tidal Turbine. Misalignment and cracks in the shaft

Beatriz F. De Cal, Pedro Fraga

A Coruña University, Spain

Investigation of thermodynamic properties of the slurry of the molding process beryllium ceramics

Zamira Sattinova, Gauhar Ramazanova, Bahitzhan Assilbekov, Uzak Zhapbasbayev, Elmira Mussenova

L.N. Gumilyev Eurasian National University, Kazakhstan