

IEECP'22 Conference Program

Important Note: The conference program has been scheduled according to Greenwich Mean Time (UTC+1)

Thursday 21 July 2022	
Session 1	
Chairmans: Prof. FernanJoao do Gomes, Dr. Fusheng Yang, Dr. Silvio Cristiano and Dr. Arun Kishor Johar	
(9h00 – 14h00) Virtual Room 1	
Plenary Speaker	
Time Slot: 45 minutes	
Prof. Chua Kian Jon	
Title: <i>On the development of a novel energy-cascading system for quad-generation</i>	
	Download Paper
Keynote Talk	
Time Slot: 30 minutes	
Title: On the limitations of Machine Learning (ML) methodologies in predicting the wake characteristics of wind turbines	
Author: Prof. Ng Yin Kwee	
	Download Paper
Oral Presentations	
Time Slot: 15 minutes for each presentation	
Title: Calibration of anaerobic digestion BioModel by using multi-objective optimization and full-scale biogas plant data	
Presenting Author: Tina Kegl ID: 189	
	Download Paper
Title: The Social Assimilation of a New Architectural Proposal for Comfort	
Presenting Author: Heard Christopher ID: 190	
	Download Paper
Title: Essential requirements for ecological and economic machining of steel	
Presenting Author: Christian Graf ID: 272	
	Download Paper
Title: Assessing the Overall Feasibility of a Commercial Scale Food Irradiation Facility in Manila, Philippines	
Presenting Author: Justin Chua ID: 198	
	Download Paper
Title: Bioelectricity generation in microbial fuel cell by a membrane electrode assemble: Startup assessment	
Presenting Author: Ana Carla Sorgato ID: 221	
	Download Paper
Title: Cr and Polycrystalline Diamond Coatings for Accident Tolerant Nuclear Fuel Tubes	
Presenting Author: Lucie Celbova ID: 228	
	Download Paper
Title: Production of synthesis gas obtained via alkaline water electrolysis and added biomass	
Presenting Author: João Gomes ID: 237	
	Download Paper

<p>Title: Black-out diesel engine operation modelling for the CHPP start-up</p> <p>Presenting Author: Dušan Strušnik ID: 200</p>	Download Paper
<p>Title: Removal of pollutants in wastewater treatment plants</p> <p>Presenting Author: Julita Šarko ID: 264</p>	Download Paper
<p>Title: Effect of energy renovation on indoor air quality of a French school building</p> <p>Presenting Author: Najwa Kanama ID: 210</p>	Download Paper
<p>Title: An efficient model for induction motor fault detection using deep transfer learning network</p> <p>Presenting Author: Alasmer Ibrahim ID: 241</p>	Download Paper
<p>Title: Blackcurrant pomace as a biodegradable filler for rigid polyurethane foam</p> <p>Presenting Author: Patrycja Trestka ID: 253</p>	Download Paper
<p>Title: A Systemic and Multi-disciplinary Diagnosis Model for Microgrids Sustainability Studies</p> <p>Presenting Author: Antoine Boche ID: 240</p>	Download Paper
<p style="text-align: center;">Keynote Talk Time Slot: 30 minutes</p>	
<p>Title: Hydrogen for Greening Production in Heavy-Emitter Industries</p> <p>Author: Dr. Kamiel Gabriel</p>	Download Paper

Friday 22 July 2022	
Session 2	
Chairmans: Dr. Mallikarjunaswamy M S, Dr. Baha I. Elzaki, Ágata E.C. Lopera and Dr. G.Jaffino	
(9h00 – 14h00) Virtual Room 2	
Keynote Talk	
Time Slot: 30 minutes	
Title: Energy-environment-economy(3E) assessment of a novel low-carbon emission process integrating coal-to-methanol with green hydrogen	
Author: Dr. Fusheng Yang	
	Download Paper
Oral Presentations	
Time Slot: 15 minutes for each presentation	
Title: Multi-scale landscape visual impact assessment for onshore wind farms in rural area of China	
Presenting Author: Jinjin Guan ID: 239	
	Download Paper
Title: A methodology for assessment of deep decarbonisation pathways for manufacturing industries in Ireland	
Presenting Author: Kirestena Saeed ID: 233	
	Download Paper
Title: Environmental Effects of dust deposition on solar PV panels in the surface Mining Industry	
Presenting Author: Ganti Praful Kumar ID: 214	
	Download Paper
Title: Whole-body Vibration Exposure of Opencast HEMM Operators –Development of a Conceptual Structural Equation Model	
Presenting Author: Hrushikesh Naik ID: 218	
	Download Paper
Title: Ambitious but deficient: Scientific and technological innovation route of China's energy industry	
Presenting Author: Yizhuo Wang ID: 276	
	Download Paper
Title: Strategy for institutional cook stoves promotion in the context of a behavioral change-A case study of Opoku Ware School and ST. Paul's Seminary, Accra, as the control in the research in Ghana	
Presenting Author: Michael Kweku Commeh ID: 234	
	Download Paper
Title: Energy and environmental impact of banning the sale of traditional fossil fuel vehicles	
Presenting Author: Dafei Yang ID: 216	
	Download Paper
Title: Improving the energy efficiency of microsystems with solar PV resources for individual power supply of residential buildings (feasibility study for the regions of Azerbaijan)	
Presenting Author: Aynur Mahmudova ID: 213	
	Download Paper
Title: Parameters Extraction of Photovoltaic (PV) cells using a global optimizer inspired from the survival strategies of flying foxes (FFO)	
Presenting Author: Radouane AALLOUL ID: 249	
	Download Paper

Title: Theoretical performance study of Cs ₂ AgBi(I(1-x)Br _x) ₆ : a promising lead-free perovskite for photovoltaic technology Presenting Author: Fatima Elfatouaki ID: 259	Download Paper
Title: Sustainable measures in heating application in manufacturing system with multi-criteria decision analysis – Case Study Presenting Author: Ameena A. ID: 274	Download Paper
Title: Green hydrogen as a balancing option in an intelligent power grid Presenting Author: Anna Kolmykova ID: 283	Download Paper
Keynote Talk Time Slot: 30 minutes	
Title: Breakthrough Heating and Cooling Technologies Using Novel Solid State Functional Materials Author: Prof. K. Victor	Download Paper