

2nd Forum of Revolutions in Renewable Energy in 21st Century (FOREN-2022)
March 21, 2022

Scientific Program

Day-1 (Budapest Time -GMT +1)

09:30 - 09:50	Title: Operationalization of a microbial electrolysis cell
	<i>Daniilo Pérez, Vertus Energy, New Zealand</i>
09:50 - 10:10	Title: Developments of an advection model for solar forecasting on ground data, and irradiation sensor using small scale photovoltaics
	<i>Jun Suzuki, Fukuoka university, Japan</i>
10:10 - 10:30	Title: An evaluation of optimal PV panel arrangement to mitigate the Duck-Curve phenomenon
	<i>Kyosuke Hamada, Fukuoka university, Japan</i>
10:30 - 10:50	Title: The effect of CO2 emissions and economic performance on hydrogen-based renewable production in 35 European Countries
	<i>Li-Chen Chou, Shantou University, China</i>
10:50 - 11:10	Title: T Development of an integrated infrastructure simulator for sustainable urban energy optimization and its application
	<i>Hana Hebishima, Fukuoka university, Japan</i>
11:10 - 11:30	Title: Feasibility Study of a Sustainable Dairy Farm with Renewable Energy Sources
	<i>Shun Terasako, Fukuoka university, Japan</i>
11:30 - 11:50	Title: Synthesis of mesoporous silica-alumina from sidoarjo mud as the support of Fe and/or Co metals as catalysts for pyrolyzed α-cellulose hydrotreating
	<i>Wega Trisunaryanti, Universitas Gadjah Mada, Indonesia</i>
11:50 - 12:10	Title: Layered double hydroxide as multifunctional materials for environmental remediation: from chemical pollutants to microorganisms
	<i>Pooja Shandilya, Shoolini University, India</i>

12:10 - 12:30	<p>Title:Comparative Study of two Nature Inspired Algorithms in Optimized ANN for Wind Speed Forecasting</p>
	<p><i>Eric Ofori-Ntow Jnr,CEGIST,Portugal</i></p>
12:30 - 12:50	<p>Title:Sustainability of Higher Education</p>
	<p><i>Laura Martino-Roaro, Centro Universitario Incarnate Word, Mexico</i></p>
12:50 - 13:10	<p>Title: Preheating and humidifying the combustion air to increase the hot water boiler efficiency</p>
	<p><i>Aleksandrs Zajacs,Riga Technical University,Latvia</i></p>
13:10 - 13:30	<p>Title:Supporting ionic conductivity of Li2co3/k2co3 molten carbonate electrolyte by using yttria stabilized zirconia matrix</p>
	<p><i>Jaroslav Milewski,Warsaw University of Technology,Poland</i></p>
13:30 - 13:50	<p>Title:Reliability of downhole high alloyed steels – describing corrosion and corrosion fatigue</p>
	<p><i>Anja Pfennig,HTW Berlin Universtiy of Applied Sciences,Germany</i></p>
13:50 - 14:10	<p>Title: Energy recovery in gravity adduction pipelines of a water supply system (WSS) for urban areas using Pumps -as- Turbines(PaTs)</p>
	<p><i>Mosè Rossi,Marche Polytechnic University,Italy</i></p>
14:10 - 14:30	<p>Title: GIS Based Fuzzy Modeling and Using on Sustainable Urban Planning</p>
	<p><i>Dr. Bülent Bostancı, <u>Dr. Neşe Yılmaz Bakır</u>, Dr. Umut Doğan and Merve Koçak Güngör,Erciyes University,Turkey</i></p>
14:30 - 14:50	<p>Title: Rethinking and evaluating the role of historical buildings in the preservation of fragile artworks</p>
	<p><i>Paola LUCERO GOMEZ , Palacky University of Olomouc /Ca Foscari University of Venice,France</i></p>
14:30 - 14:50	<p>Title:Data Learning models:application to energy and air pollution in cities</p>
	<p><i>Rossella Arcucci,Imperial College London,United Kingdom</i></p>

<p>14:50 - 15:10</p>	<p>Title: Optimal scheduling of electric vehicle-integrated multi-energy system with high renewable generation</p> <p><i>Mousa Marzband, Polytechnic University of Catalonia, United Kingdom</i></p>
<p>15:10 - 15:30</p>	<p>E³ SAFER Ecology Economy Energy & Sustainable Agriculture Forestry Environment Risk-management F³ Farm Food Fun</p> <p><i>Walter H. Dipl.Ing. MAYER, PROGIS GmbH. and GI GmbH. and Dipl.Ing. Mayer Consultant and Club of Ossiach, Austria</i></p>
<p>15:30 - 15:50</p>	<p>Title: Pre-treatment of sugarcane leaves by ozonolysis and in low eutectic point solvents (DES) to obtain fermentable sugars by enzymatic hydrolysis</p> <p><i>Mauricio Boscolo, Sao Paulo State University, Brazil</i></p>
<p>15:50 - 16:10</p>	<p>Title: Analysis of the Caribbean wave climate for wave energy harvesting</p> <p><i>Kevin Lemessy, University of the West Indies, Trinidad and Tobago</i></p>
<p>16:10 - 16:30</p>	<p>Title: A first principles framework to predict the transient performance of latent heat thermal energy storage</p> <p><i>Kedar Prashant Shete, Energy storage concepts and Materials, United States</i></p>
<p>16:30 - 16:50</p>	<p>Title: Biohydrogen from Waste Lignocellulosic Biomass through Consolidated Bioprocessing</p> <p><i>Katherine Chou, National Renewable Energy Laboratory, United States</i></p>
<p>16:50 - 17:10</p>	<p>Title: Energy and environmental footprint of primary aluminium production</p> <p><i>Laszlo Kiss, Université du Québec à Chicoutimi, Canada</i></p>
<p>17:10 - 17:30</p>	<p>Title: Optimization and Management of Multi-Energy Regionalized Microgrid</p> <p><i>Sara Ashfaq, Carnegie Science, Stanford University, United States</i></p>
	<p style="text-align: center;">Zoom Link :</p> <p style="text-align: center;">https://us06web.zoom.us/j/81161843242?pwd=OVhEcjlSNkI5OW10dnR1b0QyNmM1Zz09</p> <p style="text-align: center;">Meeting ID: 811 6184 3242</p> <p style="text-align: center;">Passcode: 607928</p>