



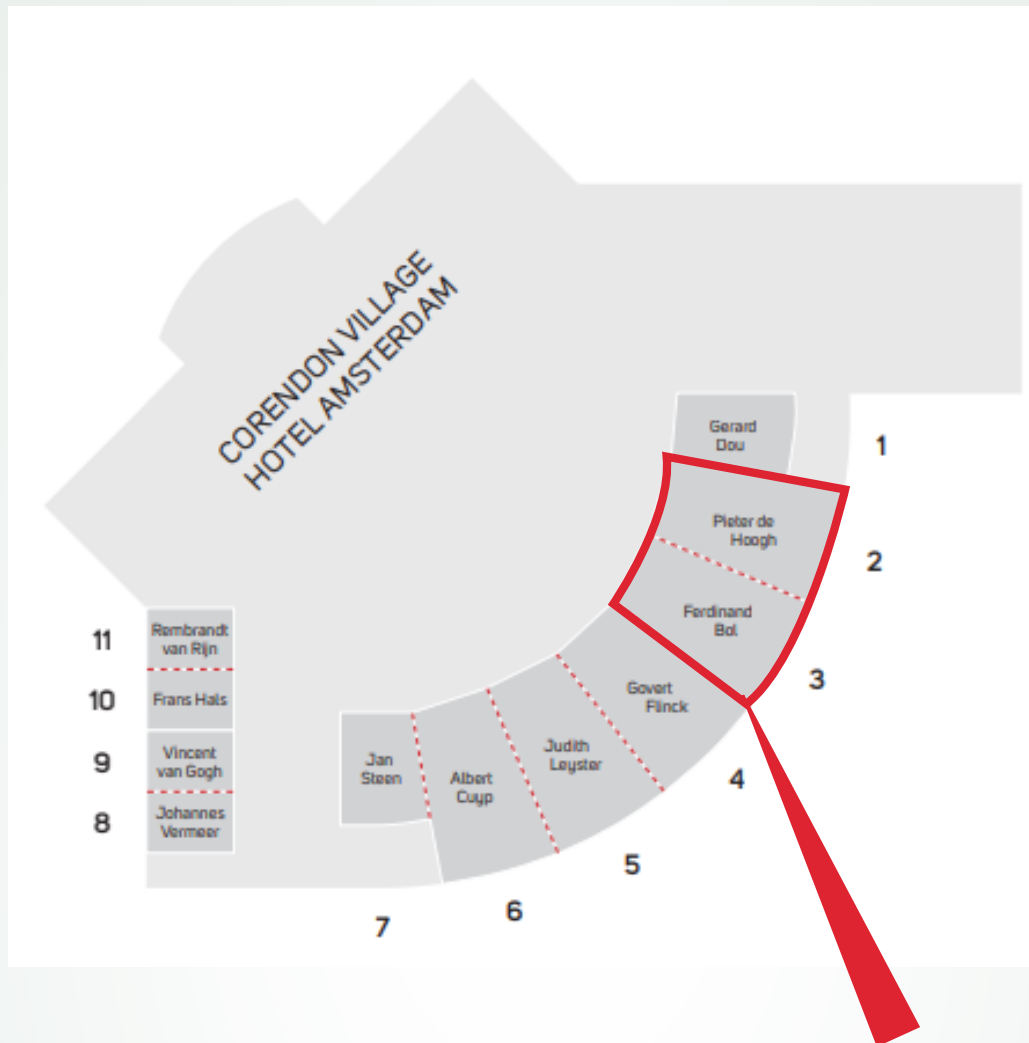
6th International Conference on

RENEWABLE ENERGY, RESOURCES AND SUSTAINABLE TECHNOLOGIES

September 26-27, 2024

Corendon Village Hotel Amsterdam, Amsterdam, Netherlands

Floor Map



Conference Hall



Wi-Fi Details:

Username: Corendon Village

Password not required - Open Wi-Fi

Scientific Program

6th International Conference on

Renewable Energy, Resources and Sustainable Technologies

Day-1 : September 26, 2024

Meeting Hall : MR 2+3

08:30 - 08:45 Registration

08:45 - 09:00 Introduction

Keynote Presentations

09:00 - 09:40 How to Overcome the Limitations Inherent in Sustainable Development

Dai-Yeun Jeong, Asia Climate Change Education Center, South Korea

09:40 - 10:20 Analyses and 4E Comparative Assessments of the Alternative Scenarios for Energy Transition and Decarbonization of a Chocolate Factory Utilities in a State of Brazil

José Joaquim C. Soares Santos, Federal University of Espírito Santo, Brazil

Networking & Refreshments 10:20 - 10:50 @ Foyer

Oral Presentations

Session Chair **Dai-Yeun Jeong**, Asia Climate Change Education Center, South Korea

Session Chair **Sushant B. Wath**, Council of Scientific and Industrial Research - National Environmental Engineering Research Institute (CSIR-NEERI), India

Sessions:

Sustainable Engineering and Energy Technologies | Bioenergy and Biotechnology | Hydro Energy | Solid and Waste Management | Wind Energy | Sustainable Energy Policies | Hydrogen Energy & Fuel Cells | Nanosafety and Nanotoxicology

10:50 - 11:20 Sustainability of Clean Hydrogen

Lydia Maketo, Technical University of Munich, Germany

11:20 - 11:50 Life Cycle Assessment of Aeroponics Production of Short Rotation Coppice Willow Cuttings For Rapid Upscaling of Biomass Production

James Suckling, University of Surrey, United Kingdom

11:50 - 12:20 Experimental Investigation of Torque/Power Fluctuation for Crossflow Turbines Operating In an Open Channel

Sunil Kumar Singal, Indian Institute of Technology Roorkee (IIT Roorkee), India

12:20 - 12:50 Aramco's SAOO TSD Waste Management Initiatives & Achievements

Ahmad Al-Otaibi, Meshaal Al-Uthman & Saeed AlAbsi, ARAMCO, Saudi Arabia

Group Photo: 12:50 - 13:00

Lunch 13:00 - 14:00 @ Restaurant

14:00 - 14:30 Stitching Wind Generator Blade Images by Width-Angle Matching

Dmitriy Slutskiy & Pavel Chizhov, ENGIE Lab CRIGEN, France

14:30 - 15:00 Sustainable Cleaning Technology for the Photovoltaic Solar Panels

Sushant B. Wath, Council of Scientific and Industrial Research - National Environmental Engineering Research Institute (CSIR-NEERI), India

15:00 - 15:30 The Effect of the Nanoemulsion of 1,8 Cineole on *Rhyzopertha dominica* (F. 1792) (Coleoptera: Bostrichi-Dae)

Abes Ibtissem Fatma Zahra, Echahid Cheikh Larbi Tebessi University, Algeria

15:30 - 16:00 Optimizing Energy Allocation Criteria in Collective Self-Consumption Communities

Javier Serrano Gonzále, University of Seville, Spain

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Networking & Refreshments 16:00 - 16:30 @ Foyer

16:30 - 17:00 **Hybrid Solar Flameless Combustion System**
Seyed Ehsan Hosseini, Arkansas Tech University, USA

Panel Discussion @ 17:00 - 18:00

PANEL SESSION: Shaping the Future: Sustainable Energy and Developments with New Technologies

17:00 - 18:00 **"Topics:**
- "Strategies for Activating Sustainable Energy"
- "The Positive and Negative Contribution of Technology to Sustainable Development",
- "What Technologies are Desirable to be Developed for Overcoming their Negative Impact on Sustainable Development"
- "Emerging Technologies for Net-Zero Emissions"
- "Policy and Innovation Synergy for Sustainable Energy"

Panelists:

Dai-Yeun Jeong, Asia Climate Change Education Center, South Korea
Sunil Kumar Singal, Indian Institute of Technology Roorkee (IIT Roorkee), India
Seyed Ehsan Hosseini, Arkansas Tech University, USA
Lydia Maketo, Technical University of Munich, Germany
Sushant B. Wath, Council of Scientific and Industrial Research - National Environmental Engineering Research Institute (CSIR-NEERI), India

Day 1 Concludes followed by Certificate Felicitation

6th International Conference on **Renewable Energy, Resources and Sustainable Technologies**

Day 2 - September 27, 2024

Meeting Hall : MR 2+3

Keynote Presentations

09:00 - 09:40	Hydrogen Diplomacy Seyed Ehsan Hosseini , Arkansas Tech University, USA
09:40 - 10:20	Entrepreneurs Facing Grid Congestion Help Drive the Energy Transition Heleen Groenberg , SustainBrain, Netherlands

Networking & Refreshments 10: 20 - 10: 50 @ Foyer

Oral Presentations

Session Chairs	Dai-Yeun Jeong , Asia Climate Change Education Center, South Korea
Session Chairs	Seyed Ehsan Hosseini , Arkansas Tech University, USA

Sessions:

Sustainable Energy Policies | Biomass and Biofuels | Waste-to-Energy | Hydrogen Energy & Fuel Cells | Power and Energy Engineering | Energy Storage and Conservation | Environmental Impact Assessment | Solid and Waste Management

10:50 - 11:20	Methodological Solutions for Assessing the Impact of Energy Transformation on Regional Development Mantas Švažas , Vytautas Magnus University, Lithuania
11:20 - 11:50	Fate of Heavy Metals during Gasification of Contaminated Biomass for Biofuel Production Marcel Dossow , Technical University of Munich, Germany
11:50 - 12:20	Subcritical and Supercritical Biomass Hydrothermal Liquefaction for Biofuel Production Christyfani Sindhuwati , University of Leeds, United Kingdom
12:20 - 12:50	Supercritical Water Liquefaction of Waste Plastics to Produce High Value Fuels and Chemicals Maria Mathew , University of Leeds, United Kingdom

Lunch 12:50 - 14:00 @ Restaurant

14:00 - 14:30	Mitigating the Effect of Carbon Deposition on the Performance of Solid Oxide Fuel Cell Godwin Mong Kalu-Uka , Indian Institute of Technology Bombay (IIT Bombay), India
14:30 - 15:00	Design and Development of A Multipulse DC AC Converter to Obtain the Maximum Power Transfer in A Photovoltaic System Pedro Rocha Hernández , Universidad de Guadalajara, Mexico
15:00 - 15:30	Pyrolysis-Non-Thermal-Plasma-Catalysis Processing of Biomass and Wastes for Upgraded Oil and Gas Production Maryam Khatibi , University of Leeds, United Kingdom
15:30 - 16:00	Design and Construction of a Low-Scale Flywheel Energy Storage System Abraham Sánchez Alavez , Universidad de Guadalajara, Mexico

Networking & Refreshments 16:00 - 16:30

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16:30 - 17:00 **Integrated Combat on Climate Change in Nepal**
Ramesh Babu Shrestha, Environment Nepal, Nepal

17:00 - 17:30 **Appraisalment and Categorization of Compostable and Non-Compostable Plastic Bags Using HHXRF Spectrophotometer, A Study on Brands in Islamabad, Pakistan**
Said Akbar Khan, Bahria University Islamabad, Pakistan

Video Presentation

VP - 01 **Recycling and Accumulation of Thermal Waste at Industrial Enterprises**
Lyudmila V Plotnikova, Kazan State Power University, Russia

Day 2 Concludes followed by Vote of Thanks & Awards Ceremony

Bookmark The Dates

7th International Conference on
**Renewable Energy, Resources
and Sustainable Technologies**

June 23-24, 2025 | Vienna, Austria



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