

2<sup>nd</sup> International Conference & Expo on  
**Biofuels and Bioenergy**

November 14-15, 2024 | London, UK



**Scisynopsis LLC**  
Atlanta, GA 30326  
USA

**Contact us:**

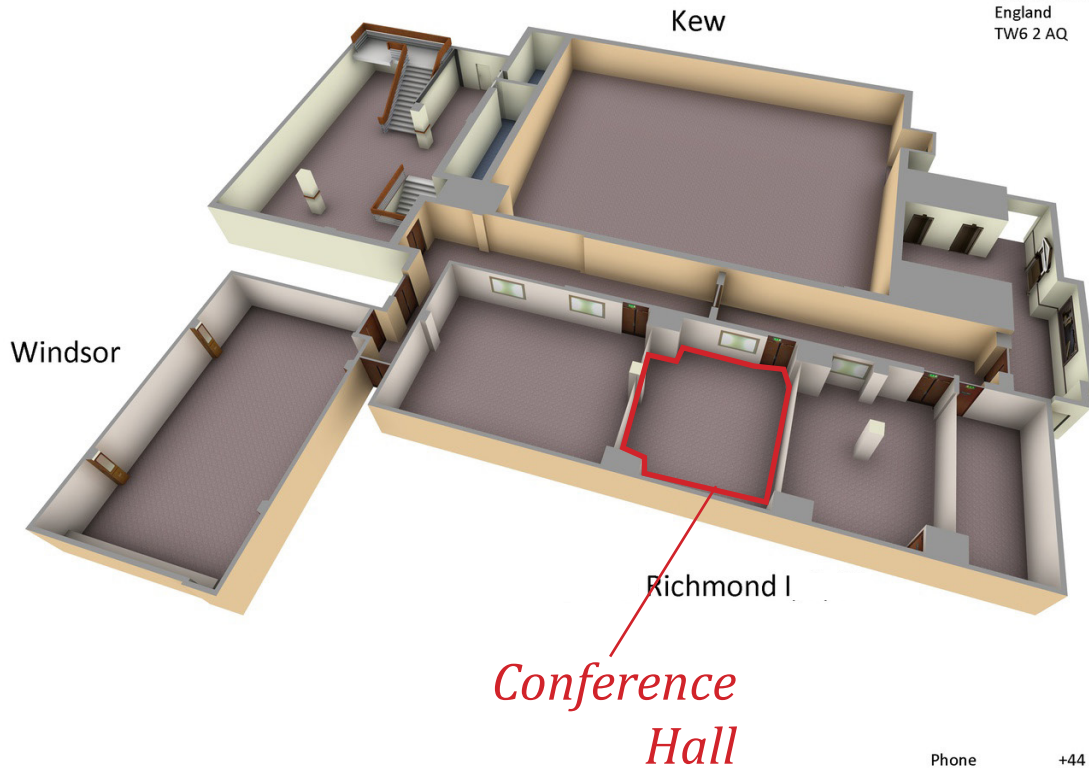
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# Floor Map

## LOWER GROUND FLOOR

**R**  
RENAISSANCE®  
LONDON HEATHROW HOTEL  
Bath Road, Hounslow  
England  
TW6 2 AQ



All dimensions must be checked on-site and not scaled from drawing

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# Wifi Details

*Username: Marriott Guest*  
*Password not required - Open Wi-Fi*

# Conference Programme

## Day 1: 14, November, 2024

### Meeting Hall : Richmond Suite I

09:00-9:45 Registrations

9:45-10:00 Introduction

### Keynote Presentations

10:00 - 10:40 **Ahmed Khalil, Regional Center for Renewable Energy & Energy Efficiency (RCREEE), Egypt**

**Title:** Balancing Wind Energy Growth and Biodiversity Conservation: The ATMP Initiative in Egypt

### Oral Presentations

**Session Chair** **Ahmed Khalil, Regional Center for Renewable Energy & Energy Efficiency (RCREEE), Egypt**

**Sessions:** Wind Power | Green Chemistry | Biomethane | Solar Energy | Biogas | Biomass | Biofuel | Renewable Energy | Bioenergy | Biorefineries

10:40 - 11:10 **Hans Gelten, Saxion University of Applied Science, Netherlands**

**Title:** Power-to-Methanol: Techno-Economical Evaluation of a Digestion Use-Case

### **Networking & Refreshments 11:10 - 11:30 @ York Lobby**

11:30-12:00 **Kamyar Khoshsirat Janekbary, National Research Council Canada, Canada**

**Title:** Syngas Biomethanation: Effect of Internal Biocarriers on Trickle Bed Reactors Efficiency

12:00-12:30 **Ali Khazma, Regional Center for Renewable Energy & Energy Efficiency (RCREEE), Egypt**

**Title:** The ATMP Constraints and Solutions: Good International Industry Practices

12:30-13:00 **Abdulrhman Alshaabani, Imam Mohammad Ibn Saud Islamic University, Saudi Arabia**

**Title:** Developing the Design of Single-Axis Sun Sensor Solar Tracking System

### **Group photo 13.00- 13:15**

### **Lunch 13:15-14:00 @ Market Garden Restaurant**

### Keynote Presentation

**14:00-14:40**     **Michael Ware, Green Giraffe, United Kingdom**

**Title:** Factors Affecting the Bankability of Biogas Projects

### Oral Presentation

**14:40-15:10**     **Byung Sun Yu, Dankook University, South Korea**

**Title:** Development of a Biological CO<sub>2</sub> Conversion Process and Maximization of Biomass Productivity with High-Value Compounds Through Microalgae-Based Biomineralization

### Video Presentations

**VD-001**     **Enrique Barrera Calva, Universidad Autónoma Metropolitana, Mexico**

**Title:** Massive Green Areas to Improve the Quality of Life in Large Cities

**VD 002**     **Ashanendu Mandal, Indian Chemical Society, India**

**Title:** Potential Application of Innovative Solid Waste Materials for Adsorptive Removal of Toxic Phenol from Wastewater for Ensuring Cleaner Environmental and Also for Generating Circular Economy

**VD 003**     **Shanmugam Palaniyandi, CSIR-Central Leather Research Institute, India**

**Title:** Bio-Refinery – A Commercial Plant Case Study on Sequential Production of Bio-Diesel, Bio-Ethanol, Bio-Hydrogen and Bio-Methane Using Leather Solid Wastes and Treatment Sludges Towards Zero Carbon Emission

**VD 004**     **Mirurgia Aguilar Velázquez, University of Havana, Cuba**

**Title:** Sustainable Housing Construction: Designing Resilient Housing for Facing Natural Hazards in Cuba

**Networking and Refreshments @ York Lobby: 16.05- 16.30**

**Certificates Distribution & Day 1 Concludes**

**Day 2: 15 , November, 2024**

**Meeting Hall : Richmond Suite I**

**Keynote Presentation**

**10:00 - 10:40    Nick Molden, Emissions Analytics, United Kingdom**

**Title:**Quality Variation in Market Biofuels and the Effect on Tailpipe Emissions

**Oral Presentations**

**Session Chair    Nick Molden, Emissions Analytics, United Kingdom**

**Sessions:** Biofuel | Solar Energy | Biomass | Bioenergy | Biorefineries | Wind Power | Biomethane | Renewable Energy | | Biogas | Green chemistry

**10:40-11:10    Antonio Solares Naves, Bioo-Arkyne Technologies S.L, Spain**

**Title:** Soil2Power: High-Performance Soil Microbial Fuel Cells for Agritech Purposes

**Networking & Refreshments 11:10-11:40 @ York Lobby**

**11:40-12:10    Hans Gelten, Saxion University of Applied Science, Netherlands**

**Title:** Smart Process Control of an Anaerobic Digester using Machine Learning Algorithms

**Poster Presentations**

**PP-001**

**Mohamed Sherwali, Regional Center for Renewable Energy & Energy Efficiency (RCREEE), Egypt**

**Title:** Comparative Analysis on Behavioral Responses for Priority Migratory Soaring Birds While Crossing Wind Farms Throughout Pre- and Post-Construction Phase in Gulf of Suez in Egypt

**PP-002**

**Betul Esen, University of Leeds, United Kingdom**

**Title:** Steam-Explosion as a Pre-Treatment for Biomethane Generation from Water Hyacinth

**PP-003**

**René Lopez, Schlumberger (SLB), USA**

**Title:** The Use of Electrostatic Dehydration Technology for Water Separation in Biomass Feedstocks

**Lunch 13:00-14:00 @ Market Garden Restaurant**

**Day 2 Concludes followed by Panel Discussion - Awards & Closing Ceremony**

Note:



*Bookmark The Date*

3<sup>rd</sup> International Conference & Expo on  
**Biofuels and Bioenergy**

September 25-26, 2025 | Vienna, Austria



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