



PROVISIONAL TIMETABLE

Capacity Building on Renewable Energy and Energy efficiency: "Green Hydrogen: The Future of Renewable Energy and Energy Efficiency"

Cairo- Ain Sokhna ,Egypt., 10-12 July 2023

| <i>Day 1: Monday, 10 July 2023</i> | |
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| <i>10:00–10: 30</i> | <i>Registration</i> |
| <i>10:30-11:00</i> | <i>Opening</i> |
| <ul style="list-style-type: none"> ▪ <i>Prof. Dr. Mohamed Samir Hamza, Head of the Cultural Affairs and Missions Sector - Supervisor of the Egyptian National Commission.</i> ▪ <i>Dr. Foued El Ayni , The Islamic World Organization for Education, Science and Culture(ICESCO) representative</i> ▪ <i>National Research Centre representative</i> ▪ <i>Academy of Scientific Research and Technology representative</i> ▪ <i>Faculty of Engineering, Ain Shams University representative</i> ▪ <i>New and Renewable Energy Authority representative</i> ▪ <i>Dr. Jauad El Kharraz ,Executive Director of the Regional Center for Renewable Energy and Energy Efficiency (RCREEE)</i> | |

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| <p>▪ <i>COMSATS representative</i></p> | | |
| <i>11:00-11:30</i> | <i>Group Photo - Coffee Break</i> | |
| <i>11:30-1:00</i> | <i>Prof. Dr. Ibrahim Helal Faculty of Engineering, Ain Shams University</i> | <i>Introduction : Renewable energy & Green Hydrogen principle and production.</i> |
| | <i>Dr. Mohamed Ezzat Faculty of Engineering, Ain Shams University</i> | |
| <i>1:00-2:30</i> | <i>Eng. Ehab Ismail New and Renewable Energy Authority</i> | <i>Renewable energy in Egypt</i> |
| | <i>Dr. Hala Mohamed New and Renewable Energy Authority</i> | <i>Egypt & Green Hydrogen</i> |
| <i>2:30-3:00</i> | <i>Break</i> | |
| <i>3:00-3:45</i> | <i>Prof. Dr. Manzar Sohail National University of Sciences and Technology, Pakistan</i> | <i>Organic and Inorganic Hybrid Materials for Renewable production of Hydrogen</i> |
| <i>Day 2: Tuesday.11 July 2023</i> | | |
| <i>10:00-11:30</i> | <i>Prof. Dr. Zeeshan Ali Dawood University of Engineering and Technology Karachi, Sindh, Pakistan</i> | <i>Challenges for Green Hydrogen Production, Storage, and Distribution</i> |
| | <i>Dr. Maged Mahmoud RCREEE</i> | <i>Proposed title: Green Hydrogen and Fuel Cells Applications</i> |
| <i>11:30-12:00</i> | <i>Coffee Break</i> | |

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| 12:00-1:30 | <i>Dr. Muhammad Shakeel Ahmad University of Malaya, Kuala Lumpur, Malaysia</i> | <i>"The prospect of green hydrogen and affordable integration in primary energy mix: The fuel of the future from the past"</i> |
| | <i>Eng. Mohamed Sadeq RCREEE</i> | <i>Decentralized On-Grid PV Systems; Sizing, Challenges, and Best Practices Applied in Egypt.</i> |
| 1:30-3:00 (Two practical parallel sessions) | <i>Prof. Dr.kamel El khatib National Research Centre</i> | <i>Green hydrogen production using non precious metal electrocatalyst in alkaline medium</i> |
| | <i>Prof. Dr. Nabil Ahmed Abdel-Ghany-Dr.Ayat Hussein National Research Centre</i> | <i>Nanomaterials for water splitting: a greener approach to generate hydrogen</i> |
| 3:00-3:30 | <i>Break</i> | |
| 3:30-4:00 | <i>Group Discussion and Brainstorming</i> | |
| <i>Day 3: Wednesday.12 July2023 Technical visit to Zaaferana station in Ain Sokhna,Egypt</i> | | |
| 10:30-11:30 | <i>Presentation on Zaaferana wind power site</i> | |
| 11:30-12:30 | <i>A visit to the station control room</i> | |
| 12:30-2:00 | <i>A field visit to the site</i> | |
| 2:00-2:30 | <i>Recommendations</i> | |

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| | <i>Closing Remarks</i> <i>Certificates Dissemination</i> |
| <i>2:30-4:30</i> | <i>Break</i> |