

Educational Workshop on Green and Low Carbon Energy Technologies at Eurocorr 2021 in Budapest

Date: Sunday 19th September

Time: Afternoon (exact timing to be confirmed)

Aim:

To provide an understanding of the principles of energy generation using green and low carbon technologies and to highlight associated key materials and corrosion issues.

Target audience:

Students and young engineers/scientists with an interest in green and low carbon technology who would like to deepen their understanding of how these technologies can be used to generate energy and to gain an appreciation of specific materials and corrosion issues related to these technologies.

Agenda

1. Introduction which will give an overview of the main green and low energy technologies including:
 - solar
 - geothermal
 - green fuels
 - wind, wave and tidal
 - electrochemical energy storage/hydrogen
 - carbon capture and storage
 - nuclear
 - hydroelectricTime: 30 minutes
2. Detailed presentations:
 - Solar technologies
 - Green fuels
 - Wind, wave and tidal
 - Fuel cells/hydrogenTime: 45 mins per topic