

College of Engineering

Current Trends and Developments in Biomass Energy and Water Desalination

3-4 February, EB2 010 (outreach room)

Day 1: Sunday 3 February

- 10:30 Welcome, Tea & Coffee**
- 10:40 Opening address**
Prof Ghaleb Husseini and Dr. Yassir Makkawi (American University of Sharjah, UAE)
- 10:50 Keynote lecture: Desalination for Carbon Dioxide Removal and Neutralisation of Ocean Acidity**
Prof Philip Davies (University of Birmingham, UK)
- 11:35 An overview on Waste-Based Biofuel Research at Sharjah University**
Dr. Chaouki Ghenai (University of Sharjah, UAE)
- 12:00 Genomes and metabolomes of coastal UAE microalgae**
Dr. Kourosh Salehi-Ashtiani (New York University Abu Dhabi, UAE)
- 12:25 Research on Biomass Thermal Conversion at AUS**
Dr. Yassir Makkawi (American University of Sharjah, UAE)
- 13:00 Visit to the AUS thermal conversion lab**

Day 2: Monday 4 February

- 10:30 Welcome, Tea & Coffee**
- 10:40 Keynote lecture: Waste to Engine – Sustainable Green Fuels for Power Generation**
Dr. Abul Hossain (Aston University, UK)
- 11:20 Reaction Kinetics Modelling and Heat Integration for Biomass Gasification Process**
Dr. Abrar Inayat (University of Sharjah)
- 11:45 Halophytic Biomasses Produced for Bioenergy Purposes Utilizing Saline Water Resources in a Desert Environment**
Dr. Dionysia Aggeliki Lyra (The International Center for Biosaline Agriculture, ICBA, Dubai)
- 12:10 Heliostat Solar Field and PTSC Designs and System Integration**
Prof Mohamed Gadalla (American University of Sharjah, UAE)
- 12:35 Waste Biomass in UAE- a Sustainable Source for Biofuel and Char**
Dr. Rawan Hakawati (American University of Sharjah, UAE)
- 13:00 Close**