





# Disptachable Renewable Energies: From a Myth to Reality

-  **Seminar date:** Wednesday 6 June 2018
-  **Location:** Hilton Carlton Hotel, North Bridge, Edinburgh, UK
-  **Registration:** <https://goo.gl/forms/37Wq4wc9HrfsQINO2> **Deadline:** 28 May 2018
-  **Organisers:** The University of Edinburgh and the Next-CSP project

## Seminar Programme

**NO  
Registration  
FEE**

- 09:00 – 09:30 Registration of participants

### Morning session – Chaired by Nicola Henderson and Jan Baeyens

- 09:30 - 09:40 Introduction by Jan Baeyens, European Powder and Process Technology, Belgium
- 09:40 - 10:00 Opening of the seminar by Garreth Harrison, Director of R&D of the University of Edinburgh, UK
- 10:00 - 10:30 New services and measurands for converter-dominated power systems, Andrew Roscoe, University of Strathclyde, UK
- 10:30 – 10:45 Coffee break
- 10:45 - 11:15 Effect of CO<sub>2</sub> phase on CO<sub>2</sub> storage at pore level", Xianfeng Fan, University of Edinburgh, UK
- 11:15 - 11:45 From biomass to biofuel and bio-chemicals, Lise Appels, Raf Dewil, University of Leuven, Belgium
- 11:45 - 12:15 From excess energy to heat storage and power generation, Frederic Pitié, Whittaker Engineering, UK



12:15 – 13:15 Buffet lunch

### Afternoon session – Chaired by Marie Prouteau and Jan Baeyens

- 13:15 - 13:25 Introduction by Jan Baeyens, European Powder and Process Technology, Belgium
- 13:25 - 13:55 Concentrated solar power (CSP): the general context and the particle option, Gilles Flamant, Inma Perez, CNRS, France
- 13:55 - 14:25 Options for high efficiency thermodynamic cycles associated with the particle-in-tube Next-CSP concept, Miguel A. Reyes, IMDEA, Spain
- 14:25 - 14:55 The Neptune software solids-gas modeling, and its applications to the particle-in-tube Next-CSP solar receiver", Renaud Ansart, LGC-University of Toulouse, France
- 14:55 – 15:10 Coffee break
- 15:10 - 15:40 Materials' selection for high temperature solar receivers and storage applications, Ken Whittaker, Whittaker Engineering, UK
- 15:40 - 16:10 Economic forecasts of the future CSP plants: case study of the Next-CSP process, by Frédéric Siros, EDF, France
- 16:10 - 16:30 Summary and concluding remarks, Jan Baeyens
- 17:00 End of seminar



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