

# EFCE Spotlight Talks

## Working Party on Chemical Reaction Engineering

26 November

10:30 • 11:30  
CET

### Electrification of the chemical industry



*With more solar and wind energy being produced, sustainable electricity supply is constantly increasing. This could offer great opportunities for the chemical industry. The supply of sustainable energy today would bring increases in energy costs, but it can also offer numerous opportunities to develop new, more efficient processes. Process intensification (PI) methodologies are key to establishing these new designs in our process industries. Considering the applicability available, we may innovate industrial processes from idea to commercial-scale implementation. This webinar addresses the main issues of electrification and process innovation practices, plus, aims to identify the main bottlenecks to go to a CO2 neutral chemical industry.*

### PROGRAM

#### **Welcome and introduction**

Pr. Olaf Hinrichsen, Chair of Working Party Chemical Reaction Engineering

#### **Electrification of the chemical industry**

Kevin Van Geem, Ghent University- Belgium

In this 60-minutes webinar, you'll learn of the benefits of applying industrial innovation practices and the many applications of electrification and process intensification in process industries.

#### *key words:*

electrification, process intensification, base chemicals, CO2 utilization, CO2 neutral chemical industry

[registration](#)

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