

High gravity (Higee) technologies for intensified reaction and separation processes

The chemical process industry continually seeks innovations to cut production costs, enhance product quality, and maintain a competitive edge. High Gravity (HiGee) technologies are among such innovations, which can offer significant advantage by producing centrifugal fields multi-fold gravity thereby intensifying micro-mixing and mass and energy transfer rates. This webinar brings together experts in two HiGee technologies - rotating packed beds and turboreactors- who will present operating and design aspects of them along with their potential to intensify reactive and separation processes.

PROGRAM

14:00	Welcome and introduction Prof. Georgios Stefanidis, Chair of the Working Party on Process Intensification Prof. Kevin Van Geem, Chair Working Party on Chemical Reaction Engineering Giorgio Veronesi, EFCE President
14:10	Process intensification for sustainable chemical industry based on high gravit technology Prof. Yong Luo, Beijing University of Chemical Technology (BUCT) - China
14:40	Technological innovations in intensified CO2 capture Prof. Jonathan Lee, University of Newcastle - UK
15:10	Process and mechanical design correlation in rotating packed bed devices Dr. Michał Pawłowski, Prospin – Poland
15:40	Electrified turboreactor technology – (re)shaping the chemical industry Prof. Kevin Van Geem and Mike Bonheure, University of Gent - Belgium
16:10	Closing remarks Prof. Georgios Stefanidis, Chair of the Working Party on Process Intensification Prof. Keyin Van Geem. Chair of the Working Party on Chemical Reaction Engineering

