



## PROGRAM

### Tuesday 24 November

9:00 **Opening of the conference**  
J-F. Joly (Scale4MATscientific correspondent, IFPEN, France)

#### SESSION 1: TOWARDS SCALE-UP OF LABORATORY SYNTHESIS: KEY PARAMETERS/DESCRIPTORS

09:15 **Towards innovative materials**  
D. Uzio, G. Pirngruber (IFPEN, France)

10:00 **Scale up of innovative materials**  
J-M. Schweitzer, M. Serval (IFPEN, France)

10:45 **PRODIA project (MOF)**  
D. Farrusseng (IRCELYON, France)

11:30 *Lunch break*

14:00 **Understanding structure-transport relationships in disordered porous solids**  
S. Rigby (Univ. of Nottingham, UK)

14:45 **Multi-technique characterisation of hierarchically organised gamma-alumina catalyst supports**  
E. Jolimaitre (IFPEN, France)

15:30 **Nature-inspired, computationally assisted design of hierarchically structured zeolite**  
M.O. Coppens (UCL London, UK)

16:15 *End of the presentations*

### Wednesday 25 November

#### SESSION 2: OPERATION UNITS MODELING FOR SCALE-UP

9:00 **Porous network modeling - synthesis and discussion**  
J. Verstraete (IFPEN, France)

9:45 **Complex rheological flows of suspensions: three case studies**  
S. Manneville (ENS de Lyon, France)

10:30 **Population balance approach for gelification modeling**  
M. Lattuada (Univ. of Fribourg, Switzerland)

11:15 *Lunch Break*

14:00 **Understanding diffusion and effective diffusivity in porous media using pulsed field gradient nuclear magnetic resonance**  
M.D. Mantle (Univ. of Cambridge, UK)

14:45 *End of the Workshop*