

Solvay International Workshop on  
**Chemo-hydrodynamic patterns and instabilities**  
ULB, Brussels, 28-30 october 2009

**List of posters**

M. Al-Ghoul: *Precipitation Pulse Propagation in the Ni(OH)<sub>2</sub>/NH<sub>3</sub> System*

C. Almarcha: *Experimental study of hydrodynamic instabilities of  $A+B \rightarrow C$  reaction fronts in vertically oriented Hele-Shaw cell.*

V. Basios, Th. Dumont: *Pattern formation in presence of phase transition: some computational challenges*

G. Boffetta: *Statistics of Rayleigh-Taylor turbulence*

H. Rose and M. Britton: *Magnetic Resonance Imaging of Viscous Fingering*

G. Dumazer: *Forbidden interval of propagation speed for exothermic chemical fronts: from perfect gas to van der*

L. Frastia, A.J. Archer, and U. Thiele: *Thin film model for the formation of ring-like deposits during the dewetting of suspensions*

T. Gérard: *Influence of heat losses through the walls of the reactor on Rayleigh-Taylor fingering of exothermic autocatalytic fronts*

F. Glaab: *Hydroxide ion diffusion processes in modified silica garden systems*

C. Herman: *Inter-dependence between the microstructures in highly concentrated suspensions and the micro-scale*

N. Jarrige: *Autocatalytic reaction flow in heterogeneous media using lattice BGK simulations*

R. Maes: *Experimental study of chemically-driven viscous fingering in a Hele-Shaw cell*

E. Melero-García, J.M. García-Ruiz, M. Kellermeier: *Silica biomorphs: an aqueous precipitating system “independent” of transport hydrodynamics*

M. Mishra: *Miscible viscous fingering of finite slices in three component systems*

A. Puisto, M. Mohtaschemi, and M. J. Alava: *Rheology changes in aggregating suspensions*

M. Rogers: *Heads and tails: The evolution of autocatalytic plumes and balls*

B. Scheid: *Surface-viscosity-induced thickening in liquid film coating*

D. Sileri: *Mathematical modelling of immiscible two-fluid flows in the presence of phase changes, applied to He...*

B. Thompson: *Chemical Pattern Formation in Taylor-Couette Flow*

P. Trevelyan: *Viscous fingering of a miscible reactive  $A+B \rightarrow C$  interface: a linear stability analysis*

C. Wylock: *Experimental study of chemo-hydrodynamical instabilities during CO<sub>2</sub> absorption in basic solutions*