

Paper N°	Speaker	University	Pinboard N°	Day of presentation	Poster localization	Title of the presentation
119	Stoyan Nedeltchev	Helmholtz-Zentrum Dresden-Rossendorf, Germany	1	Monday	Lobby	Comparison Between the Transition Velocities in Both Core and Annulus of Bubble Columns Based On a Modified Shannon Entropy
90	Jyestharaj Joshi	Homi Bhabha National Institute, India	2	Monday	Lobby	Conservation equations for turbulent kinetic energy and turbulent energy dissipation rate for a bubble column: estimation of individual terms in conservation equations and the role of turbulence models
93	Anne-Marie Billet	ENSIACET, France	3	Monday	Lobby	Characterization of hydrodynamics in a gas liquid monolith reactor
51	Zhiwu Liang	Hunan University, China	4	Monday	Lobby	Investigation of CO ₂ removal from gaseous-mixture and wettability phenomenon in hollow-fiber membrane contactors
118	Freddy Durán Martínez	ENSIACET, France	5	Monday	Lobby	Three-Phase Hydrogenation Reaction in Catalytic Milli-Channel
207	Vimal Chandra Srivastava	Indian Institute of Technology Roorkee, India	6	Monday	Lobby	Thermal behavior of Newtonian and non-Newtonian fluids flow through fluidized beds
281	Hisaya Yoda	Keio University, Japan	7	Monday	Lobby	Separation of ultrafine bubbles from water by slow freezing-melting
209	Mads B. Jensen	Aarhus University, Denmark	8	Monday	Stoclet	Development of a Venturi Gas-Mix System for in situ Biomethanation
211	Muthanna Al-Dahhan	Missouri University of Science and Technology, USA	9	Monday	Stoclet	Imaging phase distribution in a bubble column equipped with intense heat exchanging tubes for Fischer-Tropsch (FT) synthesis via gamma-ray computed tomography (CT) technique
97	Nicoals Dietrich	INSA Toulouse, France	10	Monday	Stoclet	In the wake of spherical bubbles: Velocity and Concentration measurements
106	Nicolas Dietrich	INSA Toulouse, France	11	Monday	Stoclet	Hydrodynamics characterization of free-moving particles in a gas-liquid-solid Membrane Bio-Reactor (MBR)
238	Sergio Vernuccio	ETH Zurich, Switzerland	12	Monday	Stoclet	Mass transfer in a structured reactor for continuous hydrogenation of alkynes
299	Seloua Mouhoubi	University of Mons, Belgium	13	Monday	Stoclet	Modeling of CO ₂ post-combustion capture process using biphasic solvents
102	Subhasish Mitra	University of Newcastle, Australia	14	Monday	Stoclet	Evaporation of binary mixture droplets on a hot solid particle
220	Qian Li	Chinese Academy of Sciences, China	15	Monday	Stoclet	Simulation of reactive crystallization in an airlift loop reactor
278	Radim Petříček	Prague University of Chemistry and Technology, Czech Republic	16	Monday	Stoclet	Solid particles effect on volumetric mass transfer coefficient in fermenter
247	Sinda Laribi	University of Mons, Belgium	17	Monday	Stoclet	Experiments and simulation of the post-combustion CO ₂ capture absorption-regeneration process applied to cement flue gases with high CO ₂ contents
112	Shantanu Roy	Indian Institute of Technology Delhi, India	18	Monday	Mosaic	Velocity measurements in convective boiling flow using Radioactive Particle Tracking
120	Raphael Idem	University of Regina, Canada	19	Monday	Mosaic	Heat Duty Performances of 2-Amino-2-Methyl-1-Propanol (AMP), Piperazine (PZ) and Monoethanolamine (MEA) Tri-Solvent Blend for Carbon Dioxide (CO ₂) Capture

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111	Geoffrey Evans	University of Newcastle, Australia	1	Tuesday	Lobby	Analysis of dynamic interactions in an oscillating bubble-particle system
262	Arnab Atta	Indian Institute of Technology Kharagpur, India	2	Tuesday	Lobby	Taylor bubble formation and breakup dynamics in shear thinning liquids
219	Qian Li	Chinese Academy of Sciences, China	3	Tuesday	Lobby	CFD-PBE simulations of gas-liquid flows in a bubble column with OpenFOAM
215	Tae Jin Min	Korea Institute of Machinery and Materials, Korea	4	Tuesday	Lobby	Development of a compact microbubble sizer
300	Veronika Sötz	German Aerospace Center, Germany	5	Tuesday	Lobby	A Methodology to Investigate the Liquid-Gas Kinetics in Molten Nitrate Salt
140	Gabriel Salierno	Universidad de Buenos Aires, Argentina	6	Tuesday	Lobby	Alginate beads motion in a three-phase bubble column with foaming liquid
256	Xiaoping Guan	Chinese academy of Sciences, China	7	Tuesday	Lobby	Extension of EMMS Model to Gas-liquid Stirred Tank
223	Ya Qin	SINOPEC, China	8	Tuesday	Stoclet	CFD Simulation of Two-Phase Flow in Transfer Line
78	Guang-Wen Chu	Beijing University of Chemical Technology, China	9	Tuesday	Stoclet	Modeling and experimental studies of mass transfer in the cavity zone of a rotating packed bed
13	Adam Donaldson	Dalhousie University, Canada	10	Tuesday	Stoclet	Development of an Energy-Efficient High-Productivity Bioreactor
252	Maxim Masterov	TU Delft, The Netherlands	11	Tuesday	Stoclet	Numerical Simulations of a Large-Scale Slurry Bubble Column Using Hybrid RANS-LES and DSMC Methods
41	Guangxiang He	China University of Petroleum, China	12	Tuesday	Stoclet	The Comparative Analysis of Gas Holdup in Cold and Thermal State Gas-Liquid-Solid Bubble Columns with Elevated Pressure
134	Tiefeng Wang	Tsinghua University, China	13	Tuesday	Stoclet	Industrial application of the multi-stage airlift reactor for PODEn synthesis
32	Maria Jose San Jose	Universidad del País Vasco, Spain	14	Tuesday	Stoclet	Expansion of beds of industrial biomass wastes in conical spouted beds
29	Lee DongHyun	Sungkyunkwan University, Republic of Korea	15	Tuesday	Stoclet	Gas Holdup and Hydrodynamic Flow Regime Transition in Bubble Column
107	Anne de Lamotte	University of Liège, Belgium	16	Tuesday	Stoclet	Free-surface aeration in a stirred bioreactor: comparison between CFD and local experiments
283	Dominic Pjontek	The University of Western Ontario, Canada	17	Tuesday	Stoclet	Effect of La on Ni-Cu Bimetallic Catalysts for Anisole Hydrodeoxygenation in a Novel Externally Agitated Reactor
31	Ekta Jain	Indian Institute of Technology Delhi, India	18	Tuesday	Mosaic	Gas-liquid Flow through Chimney and Bubble-cap Distributors
77	Jyestharaj Joshi	Homi Bhabha National Institute, India	19	Tuesday	Mosaic	Use of Ozone/Enriched Oxygen for Process Intensification in the Manufacture of Nitric Acid: Modeling, Simulation and Optimization

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254	Arnab Atta	Indian Institute of Technology Kharagpur, India	8	Wednesday	Stoclet	Computational investigation of non-Newtonian liquid maldistribution in periodic packed bed reactors
95	Nicoals Dietrich	INSA Toulouse, France	9	Wednesday	Stoclet	Gas-liquid mass transfer measurements of rising toroidal bubbles in quiescent liquids
273	Radim Petříček	Prague University of Chemistry and Technology, Czech Republic	10	Wednesday	Stoclet	Volumetric mass transfer coefficient in fermenter for Rushton turbine and Pitched-blade impeller of various diameters in viscous batch
36	Raphael Idem	University of Regina, Canada	11	Wednesday	Stoclet	Kinetic study of the catalytic desorption of CO ₂ from CO ₂ -loaded monoethanolamine (MEA) solution
275	Shantanu Roy	Indian Institute of Technology Delhi, India	12	Wednesday	Stoclet	Hydrodynamic study of trickle bed reactor: Effect of bed loading procedure
282	Stoyan Nedeltchev	Helmholtz-Zentrum Dresden-Rossendorf, Germany	13	Wednesday	Stoclet	Effect of liquid viscosity on the predictions of Higbie's theory in a bubble column
294	Stoyan Nedeltchev	Helmholtz-Zentrum Dresden-Rossendorf, Germany	14	Wednesday	Stoclet	Identification of Local Isotropic Turbulent Conditions in a Bubble Column with Internals Based on the Kolmogorov Entropy