

Program FPS2014

Wednesday 15 October 2014

8h00–9h15	Registration				
9h15-9h30	Opening Ceremony				Room St Clair 3
9h30-10h00	<p>Theliander H. (<i>Chalmers University of Technology, Sweden</i>) Separation Technologies for Biorefineries</p>				Plenary Lecture 1 (Room St Clair 3)
10h00-10h30	Coffee Break and Poster Introduction				
L1. Predicting and monitoring of separations. Compression-permeability characteristics			M1 / C1. Technical developments in filter media / Characterization (gas session)		
Room St Clair 3 / Chairman			Room St Clair 2 / Chairmen : P. Vroman – D. Thomas		
10h30-10h50	L1P1	Katagiri N., Kawahara H., Iritani E. (<i>Nagoya University, Japan</i>) Evaluation of compression-permeability characteristics of microbial cake based on microfiltration data	10h30-10h50	M1P1	Payen J., Ayad E., Gonthier A., Fremeaux S., Monceaux M., Le Blanc T., Vroman P., Devaux E. (<i>Ceti, Ensait Roubaix, France</i>) Bicomponent sub-micron fibres and nonwoven for air filtration
10h50-11h10	L1P2	Iritani E., Katagiri N., Nakajima R., Tsukamoto M. (<i>Nagoya University, Japan</i>) Cake properties of nano-colloids in variable pressure filtration	10h50-11h10	M1P2	Kimmer D., Vincent I., Blahova J., Kavarova M. (<i>SPUR a.s., Czech Republic</i>) Application of nanofibres in filter media
11h10-11h30	L1P3	Loginov M., Kavianpoor D., Zierau A., Martinez Sanchez J. I., Lebovka N., Sobisch T., Lerche D., Vorobiev E. (<i>Compiegne University of Technology, France, LUM GmbH Berlin, Germany, Institute of Biocolloidal Chemistry Kyiv, Ukraine</i>) Determination of pressure dependence of particle volume fraction: combination of centrifugal methods with X-ray analysis of local sediment structure	11h10-11h30	M1P3	Jabri W., Bocquillion C., Vroman P., Perwuelz A. (<i>Gemtex, Ensait Roubaix, France</i>) Development of synthetic composite nonwoven filter media: study of the influence of the compressive properties on dust holding capacity
11h30-11h50	L1P4	Bourcier D., Feraud J. P., Ode D., Puel F., Colson D. (<i>CEA Bagnols-sur-Cèze, Université de Lyon, LAGEP Villeurbanne, France</i>) Influence of particle properties on cake resistance and compressibility : a modelling study	11h30-11h50	C1P1	Gervais P. C., Poussier S., Bardin-Monnier N., Karcher G., Thomas D. (<i>IRSN Saclay, LRGF Nancy, Nancyclotep, CHU Nancy, France</i>) Visualization of aerosol deposition in HEPA filters via nuclear imaging
11h50-12h10	L1P5	Wetterling J., Mattsson T., Theliander H. (<i>Chalmers University of Technology, Sweden</i>) Effect of surface structure on the filtration properties of microcrystalline cellulose	11h50-12h10	C1P2	Bourrous S., Lemaitre P., Bouilloux L. Appert-Collin J. C., Thomas D., Tampere L. (<i>IRSN Saclay, LRGF Nancy, Camfil Farr, France</i>) Optical study of the clogging and deformation of a HEPA filter pleat

12h10-12h30	L1P6	Meireles M., Moussa Ragueh D., Cabane B. (LGC Toulouse, ESPCI, PMMH, France) Filtration behavior of multilevel structured silica nanoparticles: a study based on SAXS techniques	12h10-12h30	C1P3	Charvet A., Bau S., Bemer D., Thomas D. (LRGP Nancy, INRS Vandoeuvre, France) Determining key characteristics of airborne nanoparticles produced by thermal metal spraying
12h30-14h00	Lunch Break				
14h00-14h30	Breda C. (Veolia Environment, France) Water and waste treatment in the cities of the future, what role for separation techniques ?				Plenary Lecture 2 (Room St Clair 3)
L2. Predicting and monitoring of separations. Simulation of filtration performance			L3. Pre-treatment and related processes and techniques		
Room St Clair 3 / Chairman			Room St Clair 2 / Chairman		
14h35-14h55	L2P1	Bouhid de Aguiar I., Lange F., Meireles M., Bouchoux A. (LGC Toulouse, INSA Toulouse, LISBP Toulouse, INRA Toulouse, France) Understanding the behavior of deformable and porous microparticles in filtration: a microfluidic approach.	14h35-14h55	L3P1	Vlieghe M., Guerin L., Liné A., Frances C., Saudejaud C. (LGC Toulouse, LISBP, France) On-line characterization and modeling of aggregates size and structure during a flocculation process
14h55-15h15	L2P2	Sendekie Z. B., Bacchin P. (Université Paul Sabatier Toulouse, France) Pore clogging and cake collapse during constant pressure and constant flux filtration: direct observation in microfluidic systems	14h55-15h15	L3P2	Yu X., Hu R., Bals O., Grimi N., Vorobiev E. (Université de Technologie de Compiègne, France) Purification of polyphenols from rapeseed stems by coagulation and stirred dead-end ultrafiltration
15h15-15h35	L2P3	Strubel S. V., Anlauf H., Nirschl H. (Karlsruhe Institute of Technology, Germany) Cracking behavior of compressible filter cakes	15h15-15h35	L3P3	Kadooka H., Kiso Y., Goto S., Tanaka T., Jami M. S., Iwata M. (Osaka Prefecture University, Azumi Filter Paper Co., International Islamic University Malaysia, Malaysia) Optimum flocculation conditions for the use of inorganic and polymer flocculants in powder form
15h35-15h55	L2P4	Roux J. C., Bloch J. F., Curtil D. (Pagora Grenoble INP, France) Kinetics of formation of a cake on a porous medium	15h35-15h55	L3P4	Kinnarinen T., Tuunila R., Häkkinen A. (Lappeenranta University of Technology, Finland) Effect of operational conditions of a stirred media mill on the pressure filtration properties of GCC slurries
15h55-16h15	L2P5	Żywczyk L., Sztuk E., Moskal A., Gradoń L. (Faculty of Chemical and Process Engineering Warsaw, Poland) Numerical simulation of deep-bed water filtration	15h55-16h15	L3P5	Frechen F. B., Schier W. (University of Kassel, Germany) Pre-treatment of wastewater prior to MBR systems and possibilities of sludge inventory management
16h15-16h35	Coffee Break				
L4. Predicting and monitoring of separations. Simulation of gravitational and centrifugal separation			G1. Separation of dispersed phases from gas (1)		
Room St Clair 3 / Chairman			Room St Clair 2 / Chairman : L. Le-Coq		
16h35-16h55	L4P1	Gleiss M., Nirschl H. (Institut für Mechanical Process Engineering and Mechanics / Karlsruhe Institute of Technology, Germany) Dynamic flow-sheet simulation of solid-liquid separation in solid bowl decanter-centrifuges	16h35-16h55	G1P1	Morisseau K., Joubert A., Le Coq L., Andres Y. (GEPEA, Ecole des Mines de Nantes, France) Simulated restart of air filtration process in controlled conditions with preloaded fibrous filters containing microbial particles

16h55-17h15	L4P2	Konrath M., Nirschl H. (<i>Institute of Mechanical Process Engineering and Mechanics, KIT, Karlsruhe, Germany</i>) Centrifugal classification of colloidal particles: Evaluation of classification sharpness depending on suspension properties and process parameters	16h55-17h15	G1P2	Nerisson P., Bouilloux L., Teppe A. L., Barrault M., Chochon T. (<i>IRSN, France</i>) Mechanical strength of industrial pleated HEPA filters, exposed to humidity stresses
17h15-17h35	L4P3	Nothrop S., Wicks J., van Leeuwen J., Bridgeman J. (<i>Norske Skog Paper Mills, University of South Australia, Australia, The Fluid Group Oxford, University of Birmingham, United Kingdom</i>) Predicting and improving particle separation in a paper mill clarifier using computational fluid dynamics	17h15-17h35	G1P3	Sagot B., Forthomme A., Wojda M., De La Bourdonnaye G. (<i>ESTACA, France; Toyota Motor Europe, Belgium</i>) Tuning of an oil mist generator for the performance evaluation of oil separators used in blow-by applications
17h35-17h55	L4P4	Sabbagh R., Lipsett M. G., Koch C. R., Nobes D. S. (<i>University of Alberta, Canada</i>) A mathematical model of equivalent settling area for predicting	17h35-17h55	G1P4	Schmidt E, Reznik G. (<i>Bergische Universitaet Wuppertal, Germany</i>) Separation of solid particles out of air by single flexible collectors
P1. Poster Session I / Filtration separation performance and membrane fouling			P2. Poster Session II / Gas and Media		
Room St Clair 1 / Chairman			Room St Clair 1 / Chairman : A. Charvet		
17h55-18h15	P1P1	Popović S., Dittrich M., Cakl J. (<i>University of Pardubice, Czech Republic</i>) Modelling of fouling of outside-in hollow fiber membrane by TiO2 particles	17h55-18h15	P2P1	Rungiah S., Appert-Collin J. C., Vroman P., Thomas D. (<i>LRGP Nancy, ENSAIT-GEMTEX Roubaix, France</i>) Development of synthetic media made of submicron fiber to enhance filtration performance (efficiency/pressure drop)
	P1P2	Benavente J., Romero V., Jonsson G. (<i>Universidad de Málaga, Spain, Technical University of Denmark, Denmark</i>) Influence of support layer on diffusion processes through composite membranes		P2P2	Przekop R., Jackiewicz, A., Gradon L. (<i>Warsaw University of Technology, Poland</i>) Effect of work of adhesion on the deposition of particles in fibrous filters
	P1P3	Bentama J., Ouazzani K. (<i>Laboratory sciences and Technologies of the Processes, University Sidi Mohamed Ben Abdellah, Morocco</i>) Treatment of biological suspension: study of die-fouling in microfiltration		P2P3	Bourrous S., Lemaitre P., Bouilloux L., Appert-Collin J. C., Thomas D., Tampere L. (<i>IRSN Saclay, LRGP Nancy, Camfil Farr, France</i>) Optical methods to understand the phenomenology of the clogging of a HEPA filter pleat
	P1P4	Benavente J., Romero V., Jonsson G. (<i>Universidad de Málaga, Spain</i>) Membrane fouling: application of different techniques able to give information on surface and pore fouling due to protein microfiltration		P2P4	Jackiewicz A., Jakubiak S., Gradon L. (<i>Warsaw University of Technology, Poland</i>) Analysis of deposits' behavior inside fibrous filter during non-steady state filtration using X-ray tomography

Thursday 16 October 2014

8h15-8h30		Registration			
8h30-9h00		<p>Plenary Lecture 3 (Room St Clair 3)</p> <p>Tung K.L. (<i>National Taiwan University, TW</i>) Biomimetic Membrane Design for Fluid/Particle Separation</p>			
L5. Membrane filtration (1)			G2. Predicting and monitoring of separations (1)		
Room St Clair 3 / Chairman			Room St Clair 2 / Chairman : N. Monnier		
9h05-9h25	L5P1	<p>Arndt F., Ehlen F., Unger I., Schütz S., Anlauf H., Nirschl H. (<i>Karlsruhe Institute of Technology, MANN+HUMMEL GmbH, Germany</i>) Effects of membrane material and operating conditions on the filtration performance of ceramic hollow fiber membranes</p>	9h05-9h25	G2P1	<p>Cheng L., Wiegmann A., Becker J., Kirsch R. (<i>Math2Market GmbH, Kaiserslautern, Fraunhofer Institute for Industrial Mathematics, Kaiserslautern, Germany</i>) Filtration simulation for pleats including depth filtration</p>
9h25-9h45	L5P2	<p>Gaveau A., Coetsier C., Roques C., Dague E., Causserand C. (<i>LGC Toulouse, Laboratoire d'Analyse et d'Architecture des Systèmes; Toulouse, France</i>) Transfer mechanisms of deformable bacteria during membrane filtration</p>	9h25-9h45	G2P2	<p>Gervais P. C., Bourrous S., Bouilloux L., Ricciardi L. (<i>IRSN Saclay, LRGP Nancy, Camfil Farr Pont-Sainte-Maxence, France</i>) Simulations of filter media performances from microtomography-based calculation domain</p>
9h45-10h05	L5P3	<p>Brant J. A., Ruff L., Tan G., Labille J. (<i>University of Wyoming, USA, Centre Européen de Recherche et d'Enseignement des Géosciences de l'Environnement</i>) Nanoparticle Transport and Removal Mechanisms in Membrane Filtration</p>	9h45-10h05	G2P3	<p>Tripathi A., Vaton G., Kumar A., Seguy M. Thibaut R. (<i>Fluidyn, Vinci Environnement, France</i>) CFD Modelling of a particle filter in domestic waste incinerator</p>
10h05-10h25	L5P4	<p>Andreas N., Cox C. (<i>N. H. ANDREAS CO., INC; Clemson University, USA</i>) A general model for fouling effects in crossflow filtration</p>	10h05-10h25	G2P4	<p>Schmidt K., Hellmann A., Petersen L. Ripperger, S. (<i>Technical University Kaiserslautern, Germany</i>) Direct numerical simulation of fluid-particle separation in porous media</p>
10h25-10h45	Coffee Break				
L6. Membrane filtration (2)			G3. Separation of dispersed phases from gas (2)		
Room St Clair 3 / Chairman			Room St Clair 2 / Chairman: E. Schmidt		
10h45-11h05	L6P1	<p>Ben Aim R., Pradhan M., Vigneswaran S., Kandasamy J. (<i>IFTS Agen</i>) Modelling of particle deposition in a submerged membrane microfiltration system</p>	10h45-11h05	G3P1	<p>Ginestet A., Pugnet D. (<i>CETIAT, France</i>) The minimum efficiency of electret ventilation filters: real life vs. laboratory data</p>

11h05-11h25	L6P2	Schmitz P., Lafforgue C., Ben Hassan I. (INSA Toulouse, LISBP Toulouse, INRA Toulouse, France, LRAE Sfax, Tunisie) Towards a multiscale approach to model microfiltration systems: experimental analysis of particle cakes using CLSM	11h05-11h25	G3P2	Cadavid Rodriguez M. C., Charvet A., Bemer D., Thomas D. (LRGP Nancy, INRS Vandœuvre-lès-Nancy, France) Nanoparticle collection by a bubble column
11h25-11h45	L6P3	De Gouvion St Cyr D., Wisniewski C., Schrive L., Farhi E., Rivasseau C. (CEA IRSTV Grenoble; Université Montpellier 1, CEA Marcoule; ILL Grenoble; CEA IRSTV Grenoble, France) Microfiltration for algae separation in a radioactive effluent treatment process: feasibility study and recommendations for implementation	11h25-11h45	G3P3	Hau C. W. Y., Leung W. (The Hong Kong Polytechnic University, Hong Kong) Backpulse and backblow cleaning of nanofibrous depth filter loaded with nanoaerosols
11h45-12h05	L6P4	Castaing J. B., Pontie M. (Université d'Angers; GEPEA St Nazaire, France) Removal of toxic microalgae in seawater by submerged microfiltration/ultrafiltration	11h45-12h05	G3P4	Leung W., Choy Hung-Faat K. (The Hong Kong Polytechnic University, Hong Kong) Multilayer nanofiber filter for effectively capturing nanoaerosols with low pressure drop
12h05-13h30	Lunch Break				
L7. Product related filtration and separation. Water and wastes			M2 Media 2 (liquid)		
Room St Clair 3 / Chairman			Room St Clair 2 / Chairman		
13h30-13h55	L7K	Lee C. H., Yi T., Lee K; B., Lee S. K., Kim S. R. (School of Chemical and Biological Engineering, Seoul National University, HANWHA ENGINEERING & CONSTRUCTION, Korea) Paradigm shift in biofouling control in MBR for wastewater treatment: bacterial quorum quenching	13h35-13h55	M2P1	Anlauf H. (Karlsruhe Institute of Technology (KIT), Germany) Functionalized filter media for continuous vacuum filtration without vacuum and filtrate pumps
13h55-14h15	L7P1	Beery M., Ludwig J., Wozny G. (akvolution GmbH, Technical University Berlin, Germany) An intensified ceramic flotation filtration process for water treatment: results of two pilot studies!	13h55-14h15	M2P2	Loginov M., Lebovka N., Vorobiev E. (Compiègne University of Technology, France, Institute of Biocolloidal Chemistry, Ukraine) Application of new hybrid material from multiwalled carbon nanotubes and Laponite clay for adsorption- and filtration-purification of water from different contaminants
14h15-14h35	L7P2	Zhang M., Guiraud P. (LISBP INSA Toulouse, France) Study of silica nanoparticle (SNP) removal by colloidal gas aphon (CGA) flotation	14h15-14h35	M2P3	Wimmer P., Bernt I., Köhne N., Scholz R. (Kelheim Fibres, Germany) Viscose speciality fibres for filtration applications
14h35-14h55	L7P3	Vialaret L., Tourbin M., Guiraud P. (LISBP INSA Toulouse, LGC Toulouse, France) Experimental study of titanium dioxide nanoparticle separation from liquids by flotation	14h35-14h55	M2P4	Grosjean N., Iliev D., Iliev O., Kirsch R. Lakdawala Z., Lance M., Michard M., Mikelic A. (Fraunhofer ITWM, Germany, LMFA Lyon, France) Modelling and simulation of flow-induced deformations of filtering media on the macroscopic scale
14h55-15h15	L7P4	Leiknes T., Raspati G. (KAUST Saudi Arabia, NTNU, Norway) Fractal dimension analysis of colloids and resulting cake-layer fouling in coagulation MF filtration of surface water containing NOM	14h55-15h15	M2P5	Grosjean N., Iliev D., Iliev O., Kirsch R. Lakdawala Z., Lance M., Michard M., Mikelic A. (Fraunhofer ITWM, Germany, LMFA Lyon, ICJ Lyon, France) Experimental characterization of the interaction between a poroelastic plate and a laminar channel flow

15h15-15h35		Coffee Break			
L8. Process intensification /Bioproducts and wastes 1			M3. Media 3 (Liquid)		
Room St Clair 3 / Chairman			Room St Clair 2 / Chairman		
15h35-15h55	L8P1	Apaolaza X., Valat M., Ginisty P., Sommier A., Jomaa W. (IFTS, I2M-TREFLE, France) Dehydration by coupling centrifuge drainage with microwave drying operation	15H35-15H55	M3P1	Ha J. H., Oh E., Song I. H. (Korea Institute of Materials Science, Republic of Korea) The effect of a diatomite-kaolin composite coating on the pore characteristics of a sintered diatomite membrane
15h55-16h15	L8P2	Tanaka T., Fujihara K., Kato H., Jami M. S., Iwata M. (Osaka Prefecture University, Japan , International Islamic University Malaysia) Effect of flow path structure on solid/liquid separation under electric field	15h55-16h15	M3P2	Burns N. R., Vijayakumar B., Rennie A. E. W., Geekie, L. (Croft Filters Ltd, Engineering Department, Lancaster University, United Kingdom) Filtration efficiency gains by fabrication using additive manufacturing
16h15-16h35	L8P3	Conrardy J. B., Olivier J., Vaxelaire J. (Laboratoire de Thermique, Energétique et Procédés, Pau, France) Electro-dewatering of activated sludge: filtrate flow rate analysis	16h15-16h35	M3P3	Chen C.H., Lin Y. F., Tung K.L. (Department of Chemical Engineering, National Taiwan University, Department of Chemical Engineering and R&D Center of Membrane Technology, Chung Yuan Christian University, Taiwan, Synthesis and modification of mesoporous silica aerogel tubular/plate membranes for membrane contactor used for CO ₂ capture
16h35-16h55	L8P4	Durruty J., Mattsson T., Theliander H. (Chalmers University of Technology, Sweden) Local and average filtration properties of Kraft softwood lignin	16h35-16h55	M3P4	Vieuille S., Petit S. (Sefar Fyltis, France) How to offer a finish filter element conform to the food regulation
16h55-17h15	L8P5	Mietton-Peuchot M., Canal-Llaubères R. M., Ghidossi R., Vallet Courbin A. (ISVV - Université de Bordeaux, RLC Bioprocess, France) Filterability index for all types of wine	P3. Poster Session 4/ Combined technologies and efficient separation		
17h15-17h35	L8P6	Hoffmann C., Krause S. (MICRODYN-NADIR GmbH, Hochschule Darmstadt, Germany) Mechanical membrane cleaning in MBR			
			Room St Clair 1 / Chairman		
			16h55-17h30	P3P1	Rajeha H., Boussetta N., Louka N., Maroun R., Vorobiev E. (Université de Technologie de Compiègne, France ; Université Saint-Joseph, Liban) Effect of physical pretreatments on unstirred dead-end ultrafiltration of vine shoots extracts
				P3P2	Almohammed F., Mhemdi H., Grimi N., Vorobiev E. (Université de Technologie de Compiègne, France) Combined effect of pulsed electric fields and liming on solid-liquid expression behavior of sugar beet slices
				P3P3	Bouras M., Grimi N., Bals O., Vorobiev E. (UTC Compiègne, France) Intensified extraction and dead-end ultrafiltration of polyphenols from barks
				P3P4	Lazouk M. A., Savoie R. (GEC, Université de technologie de Compiègne, TIMR, Université de technologie de Compiègne, France) Impact of variety and flaxseed composition on oil expression process

			<p>P3P5 Meunier C., Henry P., Henriët O., Mahillon J. (<i>CEBEDEAU, UCL, Belgium</i>) Aerobic granular biomass: an efficient biosolid-liquid separation process</p>
			<p>P3P6 Iliev O., Kirsch R., Osterroth S. (<i>ITWM, Germany</i>) The simulation of filter cake build-up for spherical particle mixtures</p>
			<p>P3P7 Cheng T. W. (<i>Tamkang University, Taiwan, Republic of China</i>) Performance of PVDF hollow fibers in vacuum membrane distillation</p>
17h35-18h20	AG SF²P		
20h00	Gala Dinner		

TEMPORARY

Friday 17 October 2014

8h30-9h00	Bossoutrot J. M. (<i>Process Technology Department, Arkema, France</i>) Solid processing to improve solid-liquid separation		Plenary Lecture 4 (Room St Clair 3)		
C2. Measurement and Characterization technique (liquid) (1)			G4. Predicting and monitoring of separations (2)		
Room St Clair 3 / Chairman:			Room St Clair 2 / Chairman: J. Vendel		
9h05-9h30	C2K	Lerche D. (<i>LUM GmbH, Berlin, Germany</i>) Surface characterization of liquid dispersed submicron and nano particles by in-situ visualization of separation behavior	9h05-9h25	G4P1	Schmeinck N., Queck S. (<i>Institute of mechanical process engineering, Stuttgart, Germany</i>) Numerical simulation of turbulent inertial aerosol-separators - A numerical and experimental study of a jet impactor
9h30-9h50	C2P1	Magaud P., Abbas M., Lafforgue C., Baldas L., Colin S., Climent E., Schmitz, P. (<i>Institut Clément Ader, LGC Toulouse, LISBP Toulouse, IMF Toulouse</i>) Technical developments to characterize particle migration in micro-channel flows for sorting and separation applications	9h25-9h45	G4P2	Bardin-Monnier N., Brochot C., Chazelet S., Michiels N., Thomas D. (<i>LRGP Nancy, INRS Nancy, IRSN Saclay, France</i>) Prediction of single fibre efficiency for nanoparticles filtration
9h50-10h10	C2P2	Lerche D., Zierau A., Kavianpour D., Sobisch T. (<i>LUM GmbH, Berlin / Germany</i>) Space and time resolved concentration profiling in highly concentrated non-transparent dispersions and sediments by X-Ray-STEP-Technology	9h45-10h05	G4P2	Moskal A., Żywczyk L., Przekop R. (<i>Warsaw University of Technology Poland</i>) Modelling of deposition of flexible fractal-like aggregates on cylindrical fibre
10h10-10h30	Coffee Break				
C3. Measurement and Characterization technique (liquid) (2)			L9. Product related separation. Bioproducts and wastes		
Room St Clair 3 / Chairman:			Room St Clair 2 / Chairman:		
10h30-10h50	C3P1	Ginisty P., Gariteau M. (<i>IFTS, France</i>) Development of new methods to quantify cake adhesion to filter cloth in liquid solid separation	10h30-10h50	L9P1	Zhang W., Zhenzhou Zhu Z., Jaffrin M. Y., Ding L. (<i>TIMR, University of Technology of Compiègne, France</i>) Optimization of shear-enhanced membrane filtration for dairy wastewater treatment with response surface methodology
10h50-11h10	C3P2	Peuchot C., Courtois T., Pontie M., Brangeon A. (<i>IFTS Agen, GPEA St Nazaire, France</i>) About ageing of microfiltration and ultrafiltration membranes	10h50-11h10	L9P2	Dahdouh L., Wisniewski C., Dornier M., Delalonde M. (<i>Qualisud (CIRAD, UFR des Sciences Pharmaceutiques et Biologiques, SupAgro, Montpellier, France)</i>) Development of an original lab-scale filtration strategy for the prediction of microfiltration performance: application to fruit juices clarification
11h10-11h30	C3P3	Peuchot C., Petillon N. (<i>IFTS, France</i>) A new test protocol to qualify the behavior of industrial filter cartridges in a high temperature fluid	11h10-11h30	L9P3	Fujioka T., Khan S., McDonald J., Nghiem L. (<i>The University of Wollongong, The University of New South Wales, Australia</i>) Rejection of trace organic chemicals by a ceramic nanofiltration membrane

11h30-11h50	C3P4	Bhola N., Ariaratnam G., Roth N. (<i>Jorin Limited, UK</i>) Using imaging technologies to compare and contrast filtration packages to other produced water separation techniques	11h30-11h50	L9P4	Mogni A., Moras B., Obeid S., Albet J., Pontalier P. Y. (<i>LCA, INRA Toulouse, France; Faculté d'Agronomie de l'Université du Liban</i>) Removal of phenolic compounds from different crude plant extracts: influence of the vegetable matrix
P4. Poster Session V / Water and wastes			P5. Poster Session VI/ Gas and Media		
Room St Clair 1 / Chairman:			Room St Clair 1 / Chairman: L. Bouilloux		
11h50-12h35	P4P1	Sabba N., Amel H., Djamel Eddine A. (<i>University of science and technology Houari Boumediene, faculty of chemical, laboratory of hydrometallurgy and molecular chemical, Algeria</i>) Electrochemical removal of chrome from tannery sludge	11h50-12h15	P5P1	Thomas D., Ouf F. X., Gensdarmes F. (<i>LRGP Nancy, IRSN Saclay, France</i>) Pressure drop model for a nanostructured particle deposit
	P4P2	Fakhfekh R., Mangin D., Ben Amar R., Charcosset C. (<i>University Lyon 1, France; University of Sfax, Tunisia</i>) Removal of iron from water by oxidation/microfiltration		P5P2	Choy H. F., Leung W. (<i>The Hong Kong Polytechnic University, Hong Kong</i>) Loading behavior of a multi-layer nanofiber depth filter for capturing nano-aerosols
	P4P3	Hammami A., Charcosset C., ben Amar R. (<i>University Lyon 1, France; Sfax University, Tunisia</i>) Removal of acid dye Orange 7 by activated charcoal combined to ultrafiltration		P5P3	Bemer D., Morel Y., Charvet A., Thomas D. (<i>INRS Nancy, LRGP Nancy, France</i>) Filtration of ultrafine metallic particles produced by thermal spraying processes
	P4P4	Hwang K. J. (<i>Tamkang University, Taiwan, Republic of China</i>) Effects of particle size and fluid viscosity on the microfiltration characteristics		P5P4	Gao, X. (<i>Xi'an Jiaotong University, China</i>) Effects of the liquid viscosity and wall temperature on the separation performance of the liquid-gas dispersed droplet flow in a rotating channel
	P4P5	Palahouane B., Drouiche N., Aoduj S., Bensado K. (<i>Semiconductors Research Center, Algeria</i>) Electrocoagulation process for the remediation of fluoride from pretreated photovoltaic wastewater		P5P5	Iliev D., Iliev O., Kirsch R., Mikelić A., Printsypar G., Calo V. (<i>ITWM, Germany</i>) Numerical simulations of poroelastic deformations in U-shaped pleated filters
	P4P6	Tir M. (<i>Université de Médéa, Algérie</i>) Empirical Models for the Energy Consumption of Oil-in- Water Emulsion Treatment by Electrochemical Process			
	P4P7	Kama O., Mars M., Douillard Q., Pontie M. (<i>Université d'Angers, France, France</i>) New seawater pretreatment : biofilm bioreactor + old reverse osmosis membranes			
	P4P8	Blanc C. L., Lutin F., Pareau D., Stambouli M., Theoleyre M. A. (<i>Ecole Centrale Paris, Eurodia Industrie</i>) Purification of organic acids by chromatography - Impact of elution flow rate			

	P4P9	Derkaou S., Ighilahriz K., Taleb Ahmed M., Maachi R. (USTHB Alger, Algérie) Treatment of fouling and biofouling by coupling electrocoagulation and nanofiltration processes	
12h35-12h55	Best Poster Awards / Closing ceremony		

TEMPORARY