



Conference Agenda

Session Overview

Date: Monday, 15/Oct/2018

8:00am	Registration	
9:15am		
9:15am - 9:30am	Opening Ceremony Location: Room 1 - Gratte Ciel 1 & 2	
9:30am - 10:00am	Plenary lecture 1 Location: Room 1 - Gratte Ciel 1 & 2 Selective separation of fine and ultrafine particles. PEUKER, Urs TU Bergakademie Freiberg - MVTAT, Germany	
10:00am - 10:30am	Coffee Break and Poster Introduction Location: Coffee break and poster area	
10:30am - 12:10pm	L1 Predicting and monitoring of separations. Mechanism and filtration characteristics Location: Room 1 - Gratte Ciel 1 & 2 10:30am - 10:50am Filtration of soft particles: clogging and cake formation kinetics BOUHID DE AGUIAR, Izabella¹; MEIRELES, Martine¹; BOUCHOUX, Antoine²; SCHROEN, Karin³; SPRAKEL, Joris⁴ 1: LGC, CNRS Université Toulouse, France; 2: LISBP, CNRS, INRA, Université de Toulouse France; 3: Laboratory of food process engineering, Wageningen University, The Netherlands; 4: Laboratory of soft matter, Wageningen University, The Netherlands 10:50am - 11:10am Particle deposition and filtration cake structure analysis in a model microsystem VALENCIA NAVARRO, Alberto Jorge¹; LAFFORGUE-BALDAS, Christine¹; SCHMITZ, Philippe¹; MORRIS, Jeffrey² 1: Université de Toulouse, INSA, LISBP, Avenue de Ranguel, 135, F-31077 Toulouse, France; 2: Levich Institute, City College of CUNY, 140th Street and Convent Avenue, New York, NY 10031 11:10am - 11:30am Electrokinetic response of solid-liquid mixture during filtration and expression SADAI, Haruna¹; SHIMOIZU, Kazuya¹; IWASAKI, Tomohiro¹; YABUTA, Nobuyasu²; JAMI, Mohammed Saedi³; IWATA, Masashi¹ 1: Osaka Prefecture University, Japan; 2: Yabuta Industries Co., Ltd, Japan; 3: International Islamic University Malaysia, Malaysia 11:30am - 11:50am Measuring local filtration properties: a comparison between γ-attenuation and the MRI technique WETTERLING, Jonas; BERNIN, Diana; MATSSON, Tuve; THELIANDER, Hans Chalmers University of Technology, Sweden	G1 Separation of dispersed phases from gas (1) Location: Room 2 - Gratte Ciel 3 10:30am - 10:50am Design of lab-scale spraying scrubber for the study of submicronic and nano-particles collection in flue-gas incineration JOUBERT, Aurélie¹; BOUDHAN, Rachid¹; DURÉCU, Sylvain²; LE BIHAN, Olivier³; DUTOUQUET, Christophe³; LE COQ, Laurence¹ 1: IMT Atlantique / GEPEA, France; 2: TREDI - Sèche Environnement; 3: INERIS 10:50am - 11:10am Filtration of airborne nanoparticles by a trickle granular bed KHIROUNI, Nassim; CHARVET, Augustin; THOMAS, Dominique LRGP, Université de Lorraine, CNRS, France 11:10am - 11:30am Investigation of a novel concept of air-cleaner based on ionization for nanometric and micronic particles removal in indoor air CHEN, Longwen; GONZE, Evelyne; ONDARTS, Michel; OUTIN, Jonathan; GONTHIER, Yves Université de Savoie Mont-Blanc, France 11:30am - 11:50am Use of the virtual impactor concept for high flowrate filtration applications SAGOT, Benoit¹; LE DUR, David² 1: ESTACA, France; 2: ADDAIR, FRANCE 11:50am - 12:10pm Cleaning mechanism of ultrafine dust from rigid filter candles LUAN, Xin China University of Petroleum-Beijing, China, People's Republic of
12:15pm - 2:00pm	Lunch Break Location: Lunch area	
2:00pm - 2:30pm	Plenary lecture 2 Location: Room 1 - Gratte Ciel 1 & 2 Nanofiber filter in aerosol filtration LEUNG, Wallace The Hong Kong Polytechnic University, Hung Hom, Hong Kong	
2:35pm - 4:15pm	L2 Predicting and monitoring of separations. Measurement and simulation Location: Room 1 - Gratte Ciel 1 & 2 2:35pm - 2:55pm Estimation of specific cake resistance based on the specific surface area of solids SAFONOV, Dmitry; KINNARINEN, Teemu; HÄKKINEN, Antti Lappeenranta University of Technology, Finland 2:55pm - 3:15pm Consolidation during Drying of Compressible Suspensions STICKLAND, Anthony Dirk The University of Melbourne, Australia 3:15pm - 3:35pm Inertial migration of bidisperse suspensions flowing in microchannels: effect of particle diameters ratio TOHME, Tohme¹; MAGAUD, Pascale²; BALDAS, Lucien²; LAFFORGUE, Christine²; COLIN, Stephane² 1: Institut Clement Ader, France; 2: INSA	L3 Gravitational and alternative separation methods Location: Room 2 - Gratte Ciel 3 2:35pm - 2:55pm Multi-scale study of the flocculation/flotation mechanism of the marine microalgae Phaeodactylum tricornutum under increased pH FORMOSA-DAGUE, Cécile^{1,2,3}; GERNIGON, Vincent¹; CASTELAIN, Mickaël^{1,3}; DABOUSSI, Fayza¹; GUIRAUD, Pascal^{1,3} 1: LISBP, INSA de Toulouse, INRA, CNRS, Toulouse, France; 2: LAAS-CNRS, Toulouse, France; 3: Fédération de recherche FERMAT, CNRS, Toulouse, France 2:55pm - 3:15pm 3D CFD simulation of gas-liquid flow in an industrial flotation tank (DAF) CHEKROUN, Mohammed-Arezki¹; COCKX, Arnaud¹; SERNA, Pierre²; GUIRAUD, Pascal¹ 1: LISBP INSA Toulouse, France; 2: SERINOL SAS, Bram, France 3:15pm - 3:35pm Removal of suspended solids particles from freshwater using vacuum airlift HASSAN BARKAI, Allatchi; EL-HAJEM, Mahmoud; LACASSAGNE, Tom;

	<p>3:35pm - 3:55pm Impact of a helical ridge within a tubular membrane channel on fluid flow and particle behaviour: a model-based analysis NAESSENS, Wouter¹; DE JAEGHER, Bram¹; VANDEWALLE, Laurien²; VAN GEEM, Kevin²; BAETENS, Jan¹; NOPENS, Ingmar¹ 1: Department of Data Analysis and Mathematical Modelling, Ghent University; 2: Department of Materials, Textiles and Chemical Engineering, Laboratory for Chemical Technology, Ghent University</p>	<p>CHAMPAGNE, Jean-Yves Fluid Mechanics and Acoustics Laboratory - UMR 5509, INSA de Lyon, France</p> <hr/> <p>3:35pm - 3:55pm High purification of liquids from nanosized particles by distillation methods VOROTYNTSEV, Vladimir¹; MALYSHEV, Vladimir¹; PETUKHOV, Anton¹ Nizhny Novgorod State Technical University n.a. R.E. Alekseev, Russian Federation</p>
	<p>3:55pm - 4:15pm Profiling of surface properties by Hansen Dispersibility Parameters of Carbon Black and CNT by Hansen Dispersibility Parameters: Impact of Processing and Surface Modification. LERCHE, Dietmar LUM GmbH, Germany</p>	<p>3:55pm - 4:15pm The Capture of Nanosized Particles by the Directional Crystallization of Sulfur VOROTYNTSEV, Vladimir¹; MALYSHEV, Vladimir¹; PETUKHOV, Anton¹; SALNIKOVA, Maria¹ Nizhny Novgorod State Technical University n.a. R.E. Alekseev, Russian Federation</p>
<p>4:15pm - 4:45pm</p>	<p>Coffee Break Location: Coffee break and poster area</p>	
<p>4:45pm - 5:45pm</p>	<p>L4 Predicting and monitoring of separations. Development and optimisation of industrial equipment Location: Room 1 - Gratte Ciel 1 & 2</p> <p>4:45pm - 5:05pm Optimization of rotary filter performance by well-directed choice of operational parameters ANLAUF, Harald Karlsruhe Institute of Technology (KIT), Germany</p> <p>5:05pm - 5:25pm Separation of powdered activated carbon from secondary wastewater effluent by deep bed filtration KRAHNSTÖVER, Therese; WINTGENS, Thomas University of Applied Sciences and Arts Northwestern Switzerland, Switzerland</p> <p>5:25pm - 5:45pm HOT FILTER PRESSES - HFP - INDUSTRIAL EXPERIENCES WITH ROLLFIT REISSER, André Reisser Eilers & Partner AG, Suisse</p>	<p>G2 Predicting and monitoring of separation (1) Location: Room 2 - Gratte Ciel 3</p> <p>4:45pm - 5:05pm Effect of mesoscale inhomogeneity on the performance of deep-bed filters PRZEKOP, Rafal; JACKIEWICZ-ZAGÓRSKA, Anna; MOSKAL, Arkadiusz Warsaw University of Technology, Poland</p> <p>5:05pm - 5:25pm Simulating the Effect of Electrostatically Charged Particles on the Overall Filtration Efficiency of Wired Weaves SCHOBER, Carolin¹; KEERL, David²; KELLER, Florian³; LEHMANN, Martin J.³; MEHL, Miriam⁴ 1: Graduate School of Excellence advanced Manufacturing Engineering (GSaME), University of Stuttgart, Germany; 2: MANN+HUMMEL Innenraumfilter GmbH & Co. KG, Himmelkron, Germany; 3: MANN+HUMMEL GmbH, Ludwigsburg, Germany; 4: Institute for Parallel and Distributed Systems (IPVS), University of Stuttgart, Germany</p> <p>5:25pm - 5:45pm Design of a Laskin aerosol generator for submicron collection efficiency measurements of blow-by filters SAGOT, Benoit¹; CHAZALON, Louise¹; AIT ALI YAHIA, Lyes² 1: ESTACA, France; 2: School of engineering and physical science, Heriot-Watt University, Edinburgh, Scotland</p>
<p>5:50pm - 6:30pm</p>	<p>P1 Poster Session Filtration separation performance and membrane fouling Location: Coffee break and poster area</p> <p>Analysis of fractal structure of flocs formed by composite powder flocculant FUJIWARA, Ryoko¹; IWASAKI, Tomohiro¹; JAMI, Mohammed Saedi²; IWATA, Masashi¹ 1: Osaka Prefecture University, Japan; 2: International Islamic University Malaysia, Malaysia</p> <p>New pilot for sludge electrofiltration and electrodewatering DÉSABRES, Jessica¹; DESMASURES, Benjamin¹; VOROBIEV, Eugène² 1: CHOQUENET SAS, 19 rue Charles Brunette, Chauny, France; 2: Université de Technologie de Compiègne, EA 4297 TIMR, Centre de Recherche Royallieu, Compiègne, France</p> <p>Effect of the membrane pore size distribution on the efficiency of high purification of liquids from suspended particles by microfiltration VOROTYNTSEV, Vladimir¹; MALYSHEV, Vladimir¹; PETUKHOV, Anton¹; SERGEEVA, Maria¹ Nizhny Novgorod State Technical University n.a. R.E. Alekseev, Russian Federation</p> <p>Ultrafiltration applied to sugarcane bagasse alkaline extract components separation PONTALIER, Pierre-Yves; ORIEZ, Vincent; PEYDECASTAING, Jérôme Laboratoire Chimie Agro-Industrielle, Université de Toulouse, INP - ENSIACET, France</p> <p>Effect of chemical treatments on performance of positive and negative ion-exchange membranes BENAVENTE, Juana; MARTINEZ DE YUSO, M^a del Valle; PORRAS, Beatriz; ROMERO, Virginia Universidad de Málaga, Spain</p> <p>Membrane fouling during protein filtration: Influence of cell configuration and membrane material BENAVENTE, Juana; VAZQUEZ, M^a Isabel; LLAMAS, Ivan; PELAEZ, Laura Universidad de Málaga, Spain</p> <p>Facilitated Transport of the Phenol through a Supported Liquid Membrane with Tri (n-octyl) Phosphine Oxide (TOPO) extractant as an intermediate HADJ BOUSSAAD, Djamel Eddine^{1,2}; TAOUALIT, Nadjet²; KADDOUR-CHERIF, Fatima²; ABBAS, Fatima² 1: Lab. Applications Énergétiques de l'Hydrogène (LApEH), Dépt. Génie des Procédés, Faculté Technologie, University of Blida 1, Algeria; 2: Lab. Applications Énergétiques de l'Hydrogène (LApEH), Dépt. Génie des Procédés, Faculté Technologie, University of Blida 1, Algeria</p>	

Date: Tuesday, 16/Oct/2018

<p>8:15am - 8:30am</p>	<p>Registration</p>	
<p>8:30am - 9:00am</p>	<p>Plenary lecture 3 Location: Room 1 - Gratte Ciel 1 & 2</p> <p>Membrane fouling caused by biopolymers in surface water KATSUKI, Kimura Hokkaido University, Japon</p>	
<p>9:05am - 10:25am</p>	<p>L5 Membrane filtration (1) Location: Room 1 - Gratte Ciel 1 & 2</p> <p>9:05am - 9:25am Classification of Finest Particles Using Crossflow Filtration LOESCH, Philipp; ANTONYUK, Sergiy Technische Universität Kaiserslautern, Germany</p> <p>9:25am - 9:45am Cohesive Strength of Membrane Surface Fouling layers – Effect of Crossflow Regimes ZHOU, Mi^{1,2}; MATSSON, Tuve^{1,2} 1: Department of Chemistry & Chemical Engineering, Chalmers University of Technology, SE-412 96 Gothenburg, Sweden; 2: Wallenberg Wood Science Center, The Royal Institute of Technology, Chalmers University of Technology, SE-100 44 Stockholm, Sweden</p> <p>9:45am - 10:05am Prevent membrane fouling by selecting appropriate dense membranes MICHAUD, Maïté; CHARCOSSET, Catherine; MANGIN, Denis; CHABANON, Elodie Université Claude Bernard Lyon 1, LAGER, France</p> <p>Fractionation of proteins from Chlorella vulgaris and Spirulina sp. by membrane technology OBEID, Sara^{1,2,3}; BENHAMED, Imane⁴; TAKACHE, Hosni^{2,3}; PEYDECASTAING, Jérôme¹; CHARTON, Michael¹; ISMAIL, Ali^{2,3}; BARTHE, Laurie⁴; PONTALIER, Pierre-Yves¹ 1: Laboratoire de chimie agro industriel - INP - ENSIACET, Toulouse, France; 2: Université Libanaise, Faculté de Génie Agronomique et de Médecine Vétérinaire, Département des Sciences et Technologie Alimentaires, Hadath, Liban; 3: Université Libanaise, Ecole Doctorale de Sciences et Technologies EDST-PRASE (Plateform de Recherches et d'Analyses en Sciences de l'Environnement), Hadath, Liban; 4: Laboratoire de Génie Chimique, Université de Toulouse, CNRS, INPT, UPS, Toulouse</p>	<p>G3 Separation of dispersed phases from gas (2) Location: Room 2 - Gratte Ciel 3</p> <p>9:05am - 9:25am Separation of ultrafine particles by respiratory protective devices CHAZELET, Sandrine²; APPERT-COLLIN, Jean-Christophe¹; MASSON, Alain² 1: LRGP, France; 2: INRS, France</p> <p>9:25am - 9:45am The minimum efficiency of general ventilation filters: laboratory (EN ISO 16890) vs. real life GINESTET, Alain; PUGNET, Dominique CETIAT, France</p> <p>9:45am - 10:05am Use of metallic filters to prevent the degradation of HEPA filters in case of vapour release BOURROUS, Soleiman; BARRAULT, Mathieu; BRUNISSO, Alain IRSN, France</p> <p>10:05am - 10:25am Filtration performance of a liquid DEHS aerosol by an innovative bi-layered filtering media JOUBERT, Aurélie; MRAD, Walid; ZIADE QUINONEZ, Estefania; THERON, Félicie IMT Atlantique / GEPEA, France</p>
<p>10:25am - 10:55am</p>	<p>Coffee Break Location: Coffee break and poster area</p>	
<p>10:55am - 12:35pm</p>	<p>L6 Membrane filtration (2)/filter media Location: Room 1 - Gratte Ciel 1 & 2</p> <p>10:55am - 11:15am How to release a sponge: relaxation of casein micelles fouling layers during ultrafiltration, a SAXS study DOUDIÈS, Floriane¹; LOGINOV, Maksym¹; HENGL, Nicolas²; PIGNON, Frédéric²; LECONTE, Nadine¹; GARNIER-LAMBROUIN, Fabienne¹; PÉREZ, Javier³; GRANGER-DELACROIX, Manon¹; BELNA, Maëllis¹; GÉSIAN-GUIZIOU, Geneviève¹ 1: Science and Technology of Milk and Eggs, UMR 1253 STLO, INRA – Agrocampus Ouest, Rennes, France; 2: Univeristé Grenoble Alpes, CNRS, Grenoble INP⁴, LRP (Laboratoire Rhéologie et Procédés) 38000 Grenoble, France (*Institute of Engineering Univ. Grenoble Alpes); 3: Beamline SWING, Synchrotron SOLEIL, Gif-sur-Yvette, France</p> <p>11:15am - 11:35am Velocity, stress and concentration fields revealed by micro-PIV and SAXS within concentration polarization layers during cross-flow ultrafiltration of cellulose nanocrystals suspensions PIGNON, Frédéric¹; REY, Candice¹; HENGL, Nicolas¹; BAUP, Stéphane¹; DUFRESNE, Alain²; DJERIDI, Henda³; DATTANI, Rajeev⁴ 1: Laboratoire Rhéologie et Procédés, France; 2: Laboratoire Génie Procédés Papeteries; 3: Laboratoire des Ecoulements Geophysiques et Industriels; 4: ESRF</p> <p>11:35am - 11:55am Small-Angle X-Ray Scattering (SAXS) analyses of build-up, relaxation and erosion of casein micelles fouling layer during cross-flow ultrafiltration DOUDIÈS, Floriane^{1,2}; LOGINOV, Maksym¹; HENGL, Nicolas²; PIGNON, Frédéric²; LECONTE, Nadine¹; GARNIER-LAMBROUIN, Fabienne¹; PÉREZ, Javier³; GRANGER-DELACROIX, Manon¹; BELNA, Maëllis¹; GÉSIAN-GUIZIOU, Geneviève¹ 1: Science et Technologie du Lait et de l'Oeuf STLO, INRA-Agrocampus Ouest, France; 2: Univ. Grenoble Alpes, CNRS, Grenoble INP, France; 3: Beamline SWING, Synchrotron SOLEIL, France</p> <p>11:55am - 12:15pm Permeability decline in micro-porous ceramic filter media EKBERG, Bjärne; KINNARINEN, Teemu; HÄKKINEN, Antti Lappeenranta University of Technology, Finland</p> <p>12:15pm - 12:35pm Innovative ultrafiltration membrane made with durable hydrophilic additives for durable filtration performances and particles rejections LORAIN, Olivier; MARCELLINO, Sebastien; ZEVACO, Maxime; DUCHEMIN, Isabelle; ESPENAN, Jean Michel POLYMEM, France</p>	<p>G4 Predicting and monitoring of separation (2) Location: Room 2 - Gratte Ciel 3</p> <p>10:55am - 11:15am Numerical studies to quantify the influence of the fiber size distribution on the permeability of fibrous media BARDIN-MONNIER, Nathalie; MENG, Xiaojin; CHARVET, Augustin; THOMAS, Dominique LRGP, CNRS, UL, France</p> <p>11:15am - 11:35am Simulation of flow and filtration characteristics in consideration of production-related media deformation KIRSCH, Ralf; KABEL, Matthias; OSTERROTH, Sebastian; STAUB, Sarah; RIEF, Stefan Fraunhofer Institute for Industrial Mathematics ITWM, Germany</p> <p>11:35am - 11:55am Uniformity of media face velocity as an additional criterion for the computer-aided rating of pleated filters KIRSCH, Ralf; OSTERROTH, Sebastian; RIEF, Stefan Fraunhofer ITWM, Germany</p> <p>11:55am - 12:15pm A phenomenological model of the clogging of HEPA filter ALILOU, Youssef^{1,2}; BOURROUS, Soleiman¹; GELAIN, Thomas¹; MONNIER, Nathalie²; THOMAS, Dominique² 1: IRSN, France; 2: Université de Lorraine / LRGP</p> <p>12:15pm - 12:35pm Computer-aided modeling, simulation and optimization of filter media AZIMIAN, Mehdi; KUEHNLE, Christopher; WIEGMANN, Andreas Math2Market GmbH, Germany</p>
<p>12:40pm - 2:00pm</p>	<p>Lunch Break Location: Lunch area</p>	
<p>2:00pm - 3:45pm</p>	<p>L7 Predicting and monitoring of separations. Analysis and simulation of centrifugal separation Location: Room 1 - Gratte Ciel 1 & 2</p> <p>2:00pm - 2:20pm Application of high-speed centrifugation for particle separation and classification</p>	<p>L8 Product related filtration and separation Location: Room 2 - Gratte Ciel 3</p> <p>2:00pm - 2:20pm Solid-liquid separation of P2O5 from the phosphoric acid sludge. JOURAIPHY, Rim Faculté des sciences et techniques de SETTAT, Maroc</p>

	<p><u>NIRSCHL, Hermann</u> Karlsruhe Institute for Technology, Germany</p> <p>2:20pm - 2:40pm Numerical Simulations of the Separation Process of Polydisperse Particle Systems in Solid Bowl Centrifuges <u>HAMMERICH, Simon</u>; <u>NIRSCHL, Hermann</u> Karlsruhe Institut of Technology, Germany</p> <p>2:40pm - 3:00pm About dynamic modeling and flowsheet simulation of solid bowl centrifuges <u>GLEISS, Marco</u>; <u>NIRSCHL, Hermann</u> Institute for Mechanical Process Engineering and Mechanics, Karlsruhe Institute of Technology (KIT), Germany</p> <p>3:00pm - 3:20pm Analysis of centrifugal deliquoring with cylindrical filter medium <u>NISHIMURA, Hitoshi</u>¹; <u>IWASAKI, Tomohiro</u>¹; <u>JAMI, Mohammed Saedi</u>²; <u>IWATA, Masashi</u>¹ 1: Osaka Prefecture University, Japan; 2: International Islamic University Malaysia, Malaysia</p> <p>3:20pm - 3:40pm Influence of conditioning on sludge dewatering by screw centrifuge <u>GINISTY, Pascal</u>; <u>SARGENTON, Sandra</u> IFTS, France</p>	<p>2:20pm - 2:40pm Improving filtration performance in the context of hydrometallurgy <u>MANFOUMBI, Christian</u>²; <u>ROBLIN, Pierre</u>¹; <u>BELTRAMI, Denis</u>²; <u>ROGER, Kevin</u>¹; <u>MEIRELES, Martine</u>¹ 1: CNRS Université Toulouse, France; 2: ERAMET Research</p> <p>2:40pm - 3:00pm A guideline for technology selection based on process design and economic parameters for fine polishing filtration of an Automotive, Sugar and Oil & Gas related application. <u>SCHÖPF, Stefan</u> Lenzing Technik GmbH, Austria</p> <p>3:00pm - 3:20pm Study and modelling of oilseeds mechanical expression in continuous screw presses <u>BOGAERT, Laurine</u>^{1,2}; <u>MHEMDI, Houcine</u>¹; <u>VOROBIEV, Eugène</u>¹ 1: UTC, France; 2: OLEAD, France</p> <p>3:20pm - 3:40pm DRYNESS LIMIT ESTIMATION AND INFLUENCE OF AN ENZYMATIC PRETREATMENT FOR AN OPTIMISATION OF THE FLAVONOIDS EXTRACTION FROM CITRUS PEEL <u>ZARATE, Nuria</u>; <u>GUE, Emilie</u>; <u>DELALONDE, Michèle</u>; <u>WISNIEWSKI, Christelle</u> Université de Montpellier - UMR QualiSud, France</p>
3:45pm	Coffee Break	
4:15pm	Location: Coffee break and poster area	
4:15pm - 4:50pm	<p>P2 Poster Session Location: Coffee break and poster area</p> <p>Influence of screw press geometry on the expression yield and compression pressure profiles <u>BOGAERT, Laurine</u>^{1,2}; <u>MHEMDI, Houcine</u>¹; <u>VOROBIEV, Eugène</u>¹ 1: UTC, France; 2: OLEAD, France</p> <p>Elimination mechanism of phenolic compounds from Olive Mill Wastewater (OMW) by coagulation and direct flocculation <u>ACHAK, Mounia</u>¹; <u>EL MHAMMEDI, Moulay abderahim</u>²; <u>MAZOUZ, Hamid</u>³; <u>CHHITI, Younes</u>¹; <u>ABOUZAID, Bouchra</u>¹; <u>M'HAMDI ALAOUI, Fatima ezzahrae</u>¹ 1: Chouaib Doukkali University, Morocco; 2: Hassan First University, Morocco; 3: Jorsf Lasfar, OCP, Morocco</p> <p>Influence of particles and microbubbles surface electrical charge in Dissolved Air Flotation applied for drinking water treatment. <u>MIGLIATO MAREGA, Gabrielle</u>; <u>PENALVA REALI, Marco Antonio</u> University of Sao Paulo, Brazil</p> <p>Simulation of wastewater treatment plants in the petroleum industry <u>CHEMINI, Rachida</u>; <u>KHELLOUF, Meryem</u> University of Science and Technology Houari Boumediene, Algeria</p> <p>Filter media structure and operating performance of surface filters for gas cleaning <u>SCHMIDT, Eberhard</u>; <u>ZHANG, Qian</u> University of Wuppertal, Germany</p> <p>Characterization the dustiness of powders via modelling and simulation <u>SCHMIDT, Eberhard</u>; <u>LONDERSHAUSEN, Tim</u>; <u>VAUPEL, Kai</u> University of Wuppertal, Germany</p> <p>Pressure drop and efficiency model for filters performance evolution during loading by nano-aerosols <u>THOMAS, Dominique</u>; <u>PACAULT, Stéphanie</u>; <u>CHARVET, Augustin</u> LRGP, Université de Lorraine, CNRS, France</p>	
4:55pm - 5:55pm	AG SF²P	
	Location: Room 1 - Gratte Ciel 1 & 2	
8:00pm - 11:00pm	Gala Dinner	
	Brasserie Georges 30 Cours de Verdun Perrache, 69002 Lyon	

Date: Wednesday, 17/Oct/2018

<p>8:30am - 9:00am</p>	<p>Plenary lecture 4 Location: Room 1 - Gratte Ciel 1 & 2</p> <p>8:30am - 8:50am What can bring synchrotron X-ray imaging and diffraction techniques to the characterization of filtering media and particles ? FAYARD, Barbara Novitom, France</p>	
<p>9:05am - 10:45am</p>	<p>L9 Measurement and Characterization technique (liquid) (1) Location: Room 1 - Gratte Ciel 1 & 2</p> <p>9:05am - 9:25am Fluid-fluid porometry, pore network simulation MAALAL, Otman^{1,3}; PRAT, Marc¹; LASSEUX, Didier²; PEINADOR, René³ 1: Institut de Mécanique des Fluides de Toulouse; 2: Institut de Mécanique, Université de Bordeaux; 3: Institut de la Filtration et des Techniques Séparatives</p> <p>9:25am - 9:45am Influence of cake formation and discharge on the filter media cleanability NEUBAUER, Kristin^{1,2}; GINISTY, Pascal¹; PETILLON, Nicolas¹; MORSCH, Patrick²; ANLAUF, Harald² 1: IFTS, France; 2: KIT, Germany</p> <p>9:45am - 10:05am Influence of backwashing pressure and filter cake thickness during backwash regeneration into liquid phase MORSCH, Patrick; ANLAUF, Harald; NIRSCHL, Hermann Karlsruhe Institute of Technology (KIT), Germany</p> <p>10:05am - 10:25am Analytical photo-centrifugal filtration experiments: Resume of current state LERCHE, Dietmar LUM GmbH, Germany</p>	<p>L10 Process intensification /Bioproducts and wastes Location: Room 2 - Gratte Ciel 3</p> <p>9:05am - 9:25am Electro-assisted dewatering of cellulose nanocrystals WETTERLING, Jonas; SAHLIN, Karin; MATTSSON, Tuve; WESTMAN, Gunnar; THELIANDER, Hans Chalmers University of Technology, Sweden</p> <p>9:25am - 9:45am Removal of water from sewage sludge by electro-dewatering YANG, Gordon; TSAI, Chia-Ling NATIONAL SUN YAT-SEN UNIVERSITY, Taiwan</p> <p>9:45am - 10:05am IMPACT OF ANODE FLUSHING ON PRESSURIZED SLUDGE ELECTRODEWATERING DÉSABRES, Jessica¹; LOGINOV, Maksym²; VOROBIEV, Eugène³ 1: CHOQUENET SAS, 19 rue Charles Brunette, Chauny, France; 2: STLO, UMR 1253, INRA, Agrocampus Ouest, 35000 Rennes, France; 3: Université de Technologie de Compiègne, EA 4297 TIMR, Centre de Recherche Royallieu, Compiègne, France</p> <p>10:05am - 10:25am Gas Assisted Mechanical Expression (GAME) as a promising green technology for oil extraction MHEMDI, Houcine; VOROBIEV, Eugene ESCOM (university), France</p> <p>10:25am - 10:45am GREEN EXTRACTION OF ESSENTIAL OILS USING MICROWAVES AND CENTRIFUGAL FORCE ANGOY, Alice¹; GINISTY, Pascal¹; VALAT, Marc²; GOUPY, Pascale^{3,4}; GINIÈS, Christian^{3,4}; CARIS-VEYRAT, Catherine^{3,4}; CHEMAT, Farid^{3,4} 1: IFTS, France; 2: I2M, Université de Bordeaux, France; 3: Université d'Avignon UMR408 SQPOV, France; 4: INRA PACA UMR408 SQPOV, France</p>
<p>10:45am - 11:15am</p>	<p>Coffee Break Location: Coffee break and poster area</p>	
<p>11:15am - 12:35pm</p>	<p>L11 Measurement and Characterization technique (liquid) (2) Location: Room 1 - Gratte Ciel 1 & 2</p> <p>11:15am - 11:35am Factors influencing the calculation of the pore size distribution of cloth filter media ÄNGESLEVÄ, Marina; SALMIMIES, Riina; HÄKKINEN, Antti Lappeenranta University of Technology, Finland</p> <p>11:35am - 11:55am Improvements of image processing for the analysis of dispersed two-phase flows COLOMBET, Damien^{1,2,3,4}; RUEDA VILLEGAS, Lucia^{1,2,3}; COCKX, Arnaud^{1,3}; CAZIN, Sebastien^{2,3}; LEGENDRE, Dominique^{2,3}; GUIRAUD, Pascal^{1,3} 1: LISBP, Université de Toulouse, INSA, INRA, CNRS, Toulouse, France; 2: IMFT, Université de Toulouse, CNRS, Toulouse, France; 3: Fédération de recherche FERMAT, CNRS, Toulouse, France; 4: LEGI, Université de Grenoble – Alpes, Grenoble, France</p> <p>11:55am - 12:15pm Influence of swelling and pressure compaction on polymeric UF membrane by liquid liquid displacement porometry. An experimental study PEINADOR DAVILA, Rene; HAFFAR, Iheb; BEN AIM, Roger IFTS, France</p>	<p>G5 Characterization and metrology Location: Room 2 - Gratte Ciel 3</p> <p>11:15am - 11:35am Granular bed filtration for the determination of particle size distribution SEBESTIKOVA, Klara; CHARVET, Augustin; THOMAS, Dominique LRGP, Université de Lorraine, CNRS, France</p> <p>11:35am - 11:55am ENERGY RECOVERY IN AUTOMOTIVE PAINTBOOTH BY RECYCLING AIR AND LIMESTONE NEUTRALIZATION OF PAINT OVERSPRAYS CAETANO, Richard PSA Groupe, France</p> <p>11:55am - 12:15pm Measurement of the porosity of a nanostructured particle deposit formed by filtration at different Peclet numbers NUVOLI, Jonathan^{1,2}; BOURROUS, Soleiman¹; OUF, François-Xavier¹; THOMAS, Dominique² 1: Institut de Radioprotection et de Sécurité Nucléaire (IRSN), PSN-RES, SCA, Gif-sur-Yvette, 91192, France; 2: Laboratoire Réactions et Génie des Procédés, Université de Lorraine, CNRS, LRGP, F-54000 Nancy, France</p> <p>12:15pm - 12:35pm On-line fault diagnosis model of high temperature ceramic filter LIU, Long Fei CHINA UNIVERSITY OF PETROLEUM, China, People's Republic of</p>
<p>12:35pm - 1:00pm</p>	<p>Closing Ceremony Location: Room 1 - Gratte Ciel 1 & 2</p>	
<p>1:00pm - 2:00pm</p>	<p>Lunch cocktail Location: Coffee break and poster area</p>	