



Thursday 5 July			
11:00-13:00	Registration		
13:00-14:30	Lunch		
14:30-15:15	Plenary session: Prof. Maria Norberta de Pinho NANOFILTRATION: from Best Available Technique for drinking water production to Emergent Technique for the treatment of coke plant wastewaters		
15:15-16:45	Session 1: Gas and vapour separations, pervaporation and membrane distillation Chair: I. Alcaina and J.A Mendoza		
	Id	Authors	Institution
	S101	A. Angelini* , L. Leva, W. Yave	Faculté des Sciences et Techniques, Université de Haute-Alsace (UHA), France
	S102	A.A. Atlaskin* , M.M. Trubyanov, D.N. Shablikin, P.N. Drozdov, V.M. Vorotyntsev, I.V. Vorotyntsev	Institute of Physicochemical Technologies and Material Science, Nizhny Novgorod State Technical University, Russia
	S103	V.A. Rostovtseva* , A.Yu. Pulyalina, G.A. Polotskaya, L.V. Vinogradova, A.M. Toikka	Saint Petersburg State University, Saint Petersburg, Russia
	S104	D.A. Rudakova* , A.Yu. Pulyalina L.V. Vinogradova, G.A. Polotskaya	Saint Petersburg State University, Saint Petersburg, Russia
	S105	P. Tonn* , W. A. Goedel	Physical Chemistry, TU Chemnitz, Germany
	S106	J. Deng* , Z. Dai, J. Yu, M. Sandru, L. Deng	Norwegian University of Science and Technology, Trondheim, Norway
16:45-17:15	Coffee break		
17:15-19:00	Session 2: Membrane formation and surface modification Chair: H. Roth and P.Tonn		
	Id	Authors	Institution
	S201	A. Abdelsamad* , A.S.G. Khalil, M. Ulbricht	Lehrstuhl für Technische Chemie II, and Center for Water and Environmental Research (ZWU), Universität Duisburg-Essen, Germany
	S202	R. del Pezzo* , M. Giamberini, S. Fernandez Prieto	University Rovira i Virgili, Tarragona, Spain.
	S203	J. Ma* , T. Gumi	University Rovira i Virgili, Tarragona, Spain.
	S204	H. Roth* , T. Luelf, A. Koppelman, M. Abel, M. Wessling	DWI – Leibniz-Institute for Interactive Materials and Chemical Process Engineering, RWTH Aachen University, Aachen, Germany
	S205	R. Vera* , E. Anticó, C. Fontàs	University of Girona Girona, Spain
S206	P. Beirnaert* , J.C. Remigy	Laboratoire de Génie Chimique, Université de Toulouse, CNRS, INPT, UPS, Toulouse, France	
			Talk
			Ethanol dehydration by pervaporation at high temperature with polymeric and ceramic membranes
			Comprehensive experimental study of membrane cascade configurations of continuous membrane column type for high-purification of gases
			Effect of fullerene-modified additives on physicochemical properties and separation efficiency of poly(phenylene oxide) membranes
			Intensification of propyl acetate production by pervaporation using star macromolecules with C60 Core
			Preparation of bicontinuous metal organic framework membranes for gas separation
			PEG-based membranes with dual cross-linking networks for enhanced CO ₂ separation
			Influence of controlled functionalization of mesoporous silica nanoparticles as tailored fillers for TFN membranes on stability and desalination performance
			Stimuli responsive membranes for the targeted delivery of actives
			Water soluble sodium alginate films and its blend with polyvinyl alcohol
			Chemistry in a spinneret – Composite hollow fiber membranes in a single step process
			Study on the preparation, characterization and applicability of polymer inclusion membranes doped with nanoparticles
			Management of dissolved gases in wine using a dense composite hollow fibre membrane contactor

Friday 6 July			
9:00-9:45	Plenary session: Prof. Jose M. Serra Alfaro Catalytic membrane reactors based on ion transport membranes		
9:45-11:15	Session 3: Pressure and osmotic driven processes for liquid separations Chair: J.M. Gozálviz and M.Giagnorio		
	Id	Authors	Institution
	S301	C. B. Alvim* , B. C. Ricci, P. B. Moser, M.C.S. Amaral	Department of Sanitary and Environmental Engineering, Federal University of Minas Gerais, Brazil
	S302	M. Giagnorio* , A. Gallo, M. Minella, D. Vione, A. Tiraferri	Department of Environment, Land and Infrastructure Engineering, Italy
	S303	C. Kahrs* , J. Schwellenbach, B. Hansmann	Institute of Technical Chemistry, Leibniz University Hannover, Germany
	S304	M. Kempin* , M. Kraume, A. Drews	HTW Berlin – University of Applied Sciences, Germany
	S305	B. A. Pulido* , S. Chisca, S. P. Nunes	King Abdullah University of Science and Technology, Biological and Environmental Science and Engineering Division, Saudi Arabia
	S306	U. T. Syed* , A.M.A. Dias, H.C. de Sousa, J.G. Crespo, C. Brazinha	LAQV/Requimte, Department of Chemistry, Faculty of Science and Technology, Nova University of Lisbon, Portugal
	S307	K. Schlackl* , R. Bischof, R. Herchl, W. Samhaber	Kompetenzzentrum Holz GmbH, Altenberger Strasse, Linz, Austria
11:15-11:45	Coffee break		
11:45-13:15	Session 4: Electrochemical membrane processes and alternative membrane separation processes Chair: S. Escolástico and M. Balaguer		
	Id	Authors	Institution
	S401	H. Bazyar* , S. Porada, R. G. H. Lammertink	Department of science and technology (TNW), Soft matter fluidics and interfaces (SFI), University of Twente, Netherlands
	S402	T. Benvenuti* , M.A.S. Rodrigues, A.M. Bernardes, V. Perez Herranz, J. Zoppas-Ferreira	LACOR, PPGE3M, Universidade Federal do Rio Grande do Sul, Brazil
	S403	L. Braz Monteiro de Barros* , I. O. Ramos, B. G. W. Mendonça, L. H. Andrade, M. C. S. Amaral	Department of Sanitary and Environmental Engineering - Federal University of Minas Gerais, Brazil
	S404	M. Ghosh* , Koen F. A. Jorissen, Jeffery A. Wood and Rob G.H. Lammertink	Soft Matter, Fluidics and Interfaces, University of Twente, Germany
	S405	F. Roghmans* , M.C. Martí-Calatayud, S. Abdu, R. Femmer, R. Tiwari, A. Walthier, M. Wessling	RWTH Aachen University, Chemical Process Engineering, Germany
	S406	R. Sharifian* , R. M. Wagterveld, D. A. Vermaas	Department of Chemical Engineering, Faculty of Applied Sciences, Delft University of Technology, The Netherlands
	S407	M. I. Valls* , S. H. Morejudo, R. Zanón, S. Escolástico, J. M. Serra, et al.	Instituto de Tecnología Química, Spain
13:15-14:45	Lunch		

Friday 6 July				
14:45-16:15	Session 5: Environmental applications and potabilization Chair: C. Carbonell and M. Luján			
	Id	Authors	Institution	Talk
	S501	A. Artemi* , G. Q. Chen, S. E. Kentish, J. Lee	Department of Chemical and Process Engineering, University of Surrey, United Kingdom	The application of osmotically driven membrane processes for the concentration of dairy liquid whey
	S502	D. Chillé* , E. Anticó, C. Foti, C. Fontàs	Department of Chemical, Biological, Pharmaceutical and Environmental Science, University of Messina, Italy	Effect of PIM composition on As(III) extraction using a dithiophosphinic acid derivative as a carrier
	S503	M. Cifuentes-Cabezas* , S. Álvarez-Blanco, J. A. Mendoza-Roca, L. Pastor-Alcañiz	Research Institute for Industrial, Radiophysical and Environmental Safety (ISIRYM), Universitat Politècnica de València, Spain.	Evaluation of permeate flux at different crossflow velocities in table olive wastewaters nanofiltration
	S504	G. Elias* , S. Díez, C. Fontàs	Department of Chemistry, University of Girona, Spain	A selective polymer inclusion membrane for mercury monitoring in natural waters
	S505	C.A. Hejase* , E.N. Tummons, J.W. Chew, V.V. Tarabara	Department of Civil and Environmental Engineering, Michigan State University, USA	Oil droplet adhesion to charged surfaces under conditions of hydrodynamic shear
	S506	V. Shah* , B. Wang, K. Li	Department of Chemical Engineering, Imperial College London, UK.	Nanostructured dual layer polymeric membranes prepared by combined crystallisation & diffusion (CCD) technique
	S507	V. Shostak* , K. Lengthong, Z. Maletskiy	Norwegian University of Life Sciences	Rejection mechanisms of Arsenic species by RO and NF
16:15-16:45	Coffee break			
16:45-18:00	Session 6: Membranes in the process industry and biomedical applications Chair: D. Catalán and M. Ammendola			
	Id	Authors	Institution	Talk
	S601	M. Ammendola * , R. Garcia-Valls, R. Rodrigo Gómez	Departament d'enginyeria química, Universitat Rovira i Virgili, Tarragona, Spain	Permeability studies on sustainable composite membranes
	S602	S. Escorihuela* , S. Escolástico*, R. Murciano*, A. Martínez*, J. M. Serra*	Instituto de Tecnología Química (UPV-CSIC), Spain	Selective addition of H ₂ through a palladium membrane in a Fischer-Tropsch synthesis reactor
	S603	S. Haindl* , A. Reiche*	Sartorius Stedim Biotech, Germany	Sterile filtration in biopharmaceutical industry
	S604	M. López-Viveros* , Y. Gu*, C. Emin*, I. Favier, M. Gómez, J-F. Lahitte*, J-C. Remigy*	Laboratoire de Génie Chimique, Université de Toulouse, CNRS, INPT, UPS, Toulouse, France	Industrial potential of polymeric catalytic membrane containing palladium nanoparticles
	S605	Á. Represa*	Instituto de Tecnología Química (UPV-CSIC), Spain	Catalytic membrane reactors for hydrogen production via autothermal reforming reactions
	S606	S. Sánchez-González , N. Diban, A. Urtiaga	Department of Chemical and Biomolecular Engineering, University of Cantabria, Spain	Poly(ϵ -caprolactone) membranes functionalized with graphene-based nanomaterials as scaffolds for neural tissue engineering
S607	M.R. Santos Sousa* , J. Lora-García*, María-Fernanda López-Pérez, Geoffroy Lesage, Marc Heran	Instituto de Seguridad Industrial, Radiofísica y Medioambiental (ISIRYM) Universitat Politècnica de València (UPV)	Study of organic foulants in membranes fouled by paper mill effluent based on Three-Dimensional Fluorescence Spectra 3DEEM	
19:30-21:00	Touristic route			
21:00-23:00	Gala dinner			

Saturday 7 July				
9:00-10:15	Session 7: Membranes in the process industry and biomedical applications Chair: S. Escorihuela and M. Haddad			
	Id	Authors	Institution	Talk
	S7O1	F. Alves Ferreira* , T. Esteves, F. C. Ferreira	iBB – Institute for Bioengineering and Biosciences, Department of Bioengineering, Instituto Superior Técnico, Universidade de Lisboa	Hybrid process OSN-Adsorption to remove genotoxic impurities with minimal pharmaceutical losses
	S7O2	F.Hagemann* , P.Adametz, M.Wessling, V.Thom	Sartorius Stedim Biotech GmbH, Göttingen, Germany	Conceptual performance modelling for high capacity chromatography affinity membranes used for antibody capture processes
	S7O3	A. Jimeno-Jiménez* , C. Carbonell-Alcaina, S. Alvarez-Blanco, M. C. Vincent-Vela	Research Institute for Industrial, Radiophysical and Environmental Safety (ISIRYM), Universitat Politècnica de València, Spain	Evaluation of nanofiltration for the recovery of phenolic compounds from olive oil production wastes
	S7O4	D. Kim* , K. Kim, YK. Chang	Department of Chemical and Biomolecular Engineering, KAIST, Republic of Korea	Design and model of microfiltration for energy efficient harvesting of microalgae
	S7O5	D. Ruhr* , A. Reiche	Sartorius Stedim Biotech GmbH, Germany	Cellulose-based membrane filters for micro- and ultrafiltration
	S7O6	T. M. Eusébio* , M. Faria, E. J. M. Filipe, P. Morgado, M. N. de Pinho	CeFEMA, Chemical Engineering Department, Instituto Superior Técnico, Universidade de Lisboa, Portugal	CO ₂ permeation of polyurethane/polycaprolactone nonporous symmetric membranes
10:15-10:45	Coffee break			
10:45-12:00	Session 8: Membrane fouling, cleaning and ageing Chair: M. Cifuentes and T. Benvenuti			
	Id	Authors	Institution	Talk
	S8O1	M. Haddad* , T. Okame, P. R. Bérubé, B. Barbeau	NSERC-Industrial Chair on Drinking Water, Polytechnique Montreal, Canada	Hybrid hollow fibre NF-calcite contactor as a point of entry treatment method to remove Mn, Fe, hardness and NOM from domestic groundwater supplies
	S8O2	A. Bauer* , V. Hilgenfeldt, F. Saravia, M. Wagner, Harald Horn	Karlsruhe Institute of Technology (KIT), Institute of Functional Interfaces, Germany	Quantification of fouling formation in membrane distillation by means of optical coherence tomography
	S8O3	S. Armbruster* , O. Cheong, J. Lölsberg, S. Popovic, S. Yüce, M. Wessling	RWTH Aachen University, Chemical Process Engineering, Aachen, Germany	Mitigating fouling in tubular membranes by static mixers
	S8O4	S Talebi* , G Chen, S Kentish, A Freckleton	ARC Dairy Innovation Hub, Department of Chemical Engineering, University of Melbourne, Australia	Fouling of ion-exchange membranes during acid whey electrodialysis
	S8O5	Tiina Virtanen*	LUT School of Engineering Science, Lappeenranta University of Technology, Finland	Insight into the membrane fouling caused by phenolic compounds via online Raman spectroscopy
S8O6	T. Vroman* , F. Beaume, J.C. Remigy	Laboratoire de Génie Chimique, Université de Toulouse, CNRS, INPT, UPS, Toulouse, France	Elaboration of PVDF hollow fiber membranes for an improved fouling control	