Tentative Program

2nd International Conference on

Membrane Science and Technology

September 13-14, 2018 London, UK



Interactive Sessions | Keynote Lectures | Plenary Lectures | Workshops

Exhibitors | B2B Meetings

For available speaker slots

membranescience@annualconferences.org

2nd International Conference on

Membrane Science and Technology

September 13-14, 2018 London, UK

Program at a Glance

Day 1

Morning Sessions	Reception/Registration	08.00-09.00	
		Time	General Session
		09.00-09.15	Inaugural Address
	Least of 3 Keynote/Plenary Talks	09.15-09.45	Keynote/Plenary Talk 1
		09.45-10.15	Keynote/Plenary Talk 2
		10.15-10.45	Keynote/Plenary Talk 3
	Panel Discussions/Group Photo		
	Coffee/Tea Break 10.45-11.00 (Networking)		
Evening Sessions	11.00-12.40	5 Speakers (20 Mins Each)	
	Lunch Break 12.40-13.30		
	13.30-15.30	6 Speakers (20 Mins Each)	
	Coffee/Tea Break 15.30-15.45 (Networking)		
	15.45-17.25	5 Speakers (20 Mins Each)	

19 Speakers for **Day 1**

Day 2

	Time	Session 1	Session 2
Morning Sessions	09.00-10.40	5 Speakers (20 Mins Each)	5 Speakers (20 Mins Each)
	Coffee/Tea Break 10.40-10.55 (Networking)		
	10.55-12.35	5 Speakers (20 Mins Each)	5 Speakers (20 Mins Each)
	Lunch Break 12.35-13.25		
Evening Sessions	13.25-15.05	5 Speakers (20 Mins Each)	5 Speakers (20 Mins Each)
	Poster Sessions		
	Coffee/Tea Break 15.05-15.20 (Networking)		
	15.20-17.00	5 Speakers (20 Mins Each)	5 Speakers (20 Mins Each)
	Closing Cermony		
	NOTE: Program Shedule is subject to change with final allotment of the speaker slots		

30 Speakers on **Day 2**

Call for Abstract: https://membranescience.conferenceseries.com/call-for-abstracts.php

Registration: https://membranescience.conferenceseries.com/registration.php

Abstract Submission: https://membranescience.conferenceseries.com/abstract-submission.php

Brochure: https://membranescience.conferenceseries.com/conference-brochure.php

For more Details PS: https://membranescience.conferenceseries.com/

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Conference Highlights

- Membrane Fouling Mechanisms
- RO Membrane Reuse
- MF/UF/NF Membranes For Little Communities
- Membranes and Technology
- Membrane for Water & Wastewater
- Bio-Tech & Bio-Med Applications of Membranes
- Membranes in Industries
- Gas and Vapor Separation
- Ion exchange and electrically driven processes
- Separation Processes using Membranes



About City

London is a most imperative worldwide city, with qualities in expressions of the human experience, instruction, trade, stimulation. Innovative work, tourism, and transport all adding to its unmistakable quality it is one of the world's driving monetary focuses and world social capital. London is the world's most-gone to city as measured by universal appearances and has the world's significant city air terminal framework measured by traveler movement. London is the world's driving venture goal facilitating more. As indicated by the report London likewise positions first on the planet in media advancement and outline, programming and offers initially position in innovation preparation.

London is the capital and most crowded city of England and the United Kingdom. Remaining on the River Thames, London has been a noteworthy settlement for two centuries, its history backpedaling to its establishing by the Romans. The London Eye is a giant Ferris wheel sited on the edge of the River Thames. A short leave, the range gloats the London Aquarium the Shard, opened a watching stage to the general population. Other significant vacation destinations in London incorporate the Buckingham Palace, Tower of London , Tower Bridge Experience, Madame Tussauds, London Dungeon, ZSL London Zoo and St Paul's Cathedral.

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Plan your trip to London



Big Ben



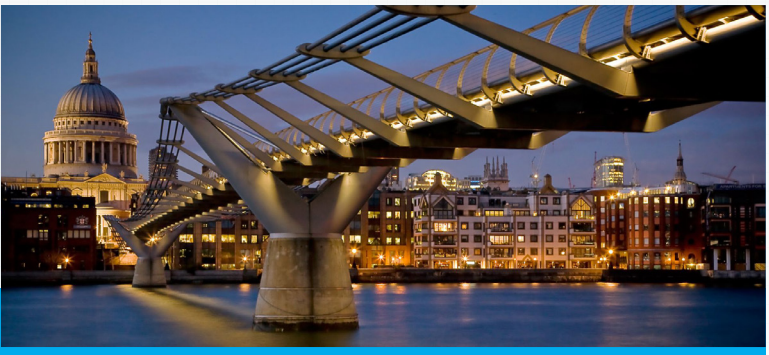
Kensington Palace



London-Eye



Museum of Natural History



River Thames



St Pauls Cathedral



The View from The Shard



Towerbridge

conferenceseries.com

Scientific Program

International Conference on

Membrane Science and Technology

September 11-12, 2017 Paris, France



UK: Conference Series llc LTD
47 Churchfield Road, London, W3 6AY
Toll Free: +44 8000148923

Conference Day 01 | September 11, 2017

Hall Name: Buttes & Oscars

08:00-08:30	Registrations
08:30-08:55	Welcome Note & Opening Ceremony

KEYNOTE SESSION

08:55-09:00	**Introduction**
09:00-09:45	**Title: Metal-organic framework membranes for CO_2 capture, biofuel purification and water desalination: A computational perspective** **Jianwen Jiang,** National University of Singapore, Singapore
09:45-10:30	**Title: Recent advance in direct ethanol fuel cell for sustainable energy production** **L An,** The Hong Kong Polytechnic University, China

GROUP PHOTO

REFRESHMENTS AND NETWORKING BREAK 10:30-10:50 @ Foyer

10:50-11:35	**Title: Membrane bioreactor operation–past achievements and future challenges** **Christoph Brepols,** Erftverband, Germany

Sessions: **Membrane Filtration | Membrane Development and Characterization**

Session Chair: P Millet, Université Paris-Sud, France

Session Co-chair: Christoph Brepols, Erftverband, Germany

Session Introduction

11:35-12:00	**Title: Neophil long lasting hydrophilic PVDF ultrafiltration in GIGAMEM large modules: Benefits and case studies of Polymem large plants performances** **Olivier Lorain,** Polymem, France
12:00-12:25	**Title: Ultra-wetting graphene based ultrafiltration membranes for efficient wastewater treatment** **J Antony Prince,** Ngee Ann Polytechnic, Singapore
12:25-12:50	**Title: Continuous fabrication of composite hollow fiber membranes for humidification** **Isabel Jesswein,** University of Stuttgart, Germany

12:50-13:15	**Title: Cellulose based hollow fiber carbon membranes for CO_2 removal from high pressure natural gas in subsea process** **Xuezhong He,** Norwegian University of Science and Technology, Norway

LUNCH BREAK 13:15-14:15 @ Sunset 2

14:15-14:40	**Title: Electrokinetics tools to better characterize synthetic membranes and help understanding their behavior in contact with real fluids** **Maxime Pontie,** Angers University, France
14:40-15:05	**Title: Synergy between anti-adhesion and antimicrobial effects of Ag doped mesoporous carbon PES UF membrane** **Yasin Orooji,** Nanjing Tech University, PRC

YOUNG RESEARCHERS' FORUM 15:05-17:25

15:05-15:25	**Title: Membrane crystallization of valuable salts from waste streams** **Israel Ruiz Salmón,** Université catholique de Louvain, Belgium
15:25-15:45	**Title: Development of reverse osmosis membrane based on UiO-66 nanoparticles deposited on polymeric support** **Dai Xuan Trinh,** Japan Advanced Institute of Science and Technology, Japan

REFRESHMENTS AND NETWORKING BREAK 15:45-16:05 @ Foyer

16:05-16:25	**Title: Scale-up and predicting flux-pressure relationships of tangential flow filtration (TFF) using a combined computational fluid dynamics (CFD) and ultra-scale-down (USD) techniques: Method and Application** **Mohd Shawkat Hussain,** University College London, UK
16:25-16:45	**Title: PVA and cellulose nanocrystal (CNC) nanocomposite membranes for CO_2/CH_4 separation at higher pressure** **Zaib Jahan,** Norwegian University of Science and Technology, Norway
16:45-17:05	**Title: Optimization of ceramic membrane for oil-water separation** **Harjot Kaur,** Thapar University, India
17:05-17:25	**Title: The synthesis of zeolitic imidazolate framework-95/matrimid® mixed matris membranes for CO_2, CH_4, and H_2 separations** **Ilke Ilicak,** University of Istanbul, Turkey

PANEL DISCUSSION

Conference Day 02 | September 12, 2017

Hall Name: Buttes & Oscars

KEYNOTE SESSION

09:00-09:45	**Title: Novelties in membrane processes management by a sustainable approach: From autopsy to reuse of old reverse osmosis (RO) membranes** **Maxime Pontie,** Angers University, France
09:45-10:30	**Title: High selective carbon membranes for water and gas separation** **Hannes Richter,** Fraunhofer Institute for Ceramic Technologies and Systems, Germany

REFRESHMENTS AND NETWORKING BREAK 10:30-10:50 @ Foyer

SPECIAL SESSION

10:50-11:35	**Membrane science much essential for developing countries** **Bhibin Sherchan,** Sunrise Nepal Pvt. Ltd., Nepal

Sessions: Membrane Development and Charecterization | Gas and Vapour Separation | Ion Exchange Membrane

Session Chair: Hannes Richter, Fraunhofer Institute for Ceramic Technologies and Systems, Germany

Session Co-chair: Zdenek Slouka, University of Chemistry and Technology, Czech Republic

Session Introduction

11:35-12:00	**Title: Polymer electrolytes membranes for energy applications** **Asmae Mokrini,** National Research Council of Canada, Canada
12:00-12:25	**Title: Analysis of the dynamics of hydrogen permeation across Pd-based metallic membranes using gas phase impedance spectroscopy** **P Millet,** Université Paris-Sud, France
12:25-12:50	**Title: Benzene plume behavior in a saturated subsurface system: influence of the mass transfer and dispersion coefficients** **Hatem Asal Gzar,** Wasit University, Iraq

LUNCH BREAK 12:50-13:50 @ Sunset 2

POSTER PRESENTATIONS 13:50-14:30 @ Foyer

MST-001	**Title: Swelling of heterogeneous ion-exchange membranes analyzed by micro-computed tomography** **Lucie Vobecka,** University of Chemistry and Technology, Czech Republic

MST-002	**Title: Taurine extraction from waste seafood canning using membrane processes** **Beatriz Cancino-Madariaga,** Universidad Técnica Federico Santa María, Chile
MST-003	**Title: A resistance-based approach to scale-up of membrane filtration** **Susanne Haindl,** Leibniz University Hannover, Germany
MST-004	**Title: Mechanical, thermal and swelling properties of cellulose nanocrystals/PVA nanocomposites membranes** **Zaib Jahan,** Norwegian University of Science and Technology, Norway
MST-005	**Title: Synthesis, characterization and gas permeation study of HAB-6FDA/ZIF-11 mixed matrix membranes** **Ayse Gizem Kirikci,** University of Istanbul, Turkey
14:30-14:55	**Title: Electrochemistry, electrokinetics and microCT analysis of heterogeneous ion-exchange membranes** **Zdenek Slouka,** University of Chemistry and Technology, Czech Republic
14:55-15:20	**Title: Spin transport of the frustrated quasi-two-dimensional XY-like antiferromagnet** **L S Lima,** Centro Federal de Educação Tecnológica de Minas Gerais, Brazil
15:20-15:45	**Title: Excellent biofouling alleviation of thermoexfoliated vermiculite blended polyethersulfone ultrafiltration membrane** **Yasin Orooji,** Nanjing Tech University, PRC
15:45-16:10	**Title: Effects of monovalent ions on membrane potential and permselectivity of polymer based zirconium aluminophosphate composite membrane** **Rafiuddin,** Aligarh Muslim University, India

VIDEO PRESENTATION

16:10-16:20	**Title: Computational study of the effect of spin-orbit coupling on photo-physical properties of metal complex for dye sensitized solar cell** **Ratna Juwita,** National Central University, Taiwan

REFRESHMENTS AND NETWORKING BREAK 16:20-16:40 @ Foyer

PANEL DISCUSSION

Awards & Closing Ceremony