

2019 Advanced Membranes and Membrane Based Separation Processes Symposium



UNIVERSITY OF
ARKANSAS

College of Engineering
Ralph E. Martin Department of
Chemical Engineering



DATE/TIME	TITLE	SPEAKERS
Wednesday, May 15 8:00 p.m.-9:30 p.m.	Welcome reception; Sauced Restaurant, 540 W Dickson St, Fayetteville, AR 72701.	Presenters and any JSPS staff (restaurant has been booked for our private function)
Thursday, May 16 8:30 a.m.-9:00 a.m.	Welcome University of Arkansas administrators Inn at Carnall Hall 465 N Arkansas Avenue, Fayetteville, AR, 72701.	<u>Prof. Heather Nachtmann</u> ; Associate Dean for Research, College of Engineering, University of Arkansas, USA <u>Prof. David Ford</u> ; Department Head Chemical Engineering, University of Arkansas, USA MOU Signing Ceremony with Kobe University
9:00 a.m.-9:30 a.m.	JSPS international program information session	<u>Ms. Yuki Abe</u> ; JSPS Washington Office
9:30 a.m.-10:15 a.m.	Keynote Address: "Membrane Technology in Membrane Center at Kobe University"	<u>Prof. Hideto Matsuyama</u> ; Director, Center for Membrane and Film Technology, Department of Chemical Science and Engineering, Graduate School of Engineering, Kobe University
10:15 a.m.-10:30 a.m.	Coffee break	
10:30 a.m.-11:00 a.m.	"Electrocatalytic Membrane Reactor- based Integrated Processes for Landfill Leachate Treatment"	<u>Prof. Jianxin Li</u> ; Tianjin Distinguished Professor, Director of National Center for International Joint Research on Membrane Science and Technology, Tianjin Polytechnic University, P.R. China
11:00 a.m.-11:30 a.m.	"Impacts of Zwitterionic Membranes in Medical Applications "	<u>Prof. Yung Chang</u> ; Director Center for Excellence, Ministry of Education, R & D Center for Membrane Technology, Chung Yuan Christian University, Taiwan
11:30 a.m.-12:00 p.m.	"Catalytic membranes based on in-situ generated dendritic supramolecular structures"	<u>Prof. Bhekie Mamba</u> ; Executive Dean College of Engineering, Science and Technology, University of South Africa (UNISA)

12:00 p.m.-12:30 p.m.	“Selective Modification of Membrane Pore and External Surface - Magnetically Responsive Membranes”	<u>Prof. Ranil Wickramasinghe</u> ; Center Director, Membrane Science, Engineering and Technology Center, University of Arkansas, USA
12:30 p.m.-1:30 p.m.	Lunch & Poster Session	Buffet
1:30 p.m.-2:00 p.m.	“A multiscale modeling study of the formation of porous polymer membranes by phase inversion”	<u>Prof. David Ford</u> ; Head Ralph E Martin Department of Chemical Engineering, University of Arkansas, USA
2:00 p.m.-2:30 p.m.	“Structure, function and applications of collagenase from <i>Hathewayia histolytica</i> ”	<u>Prof. Joshua Sakon</u> ; Department of Chemistry and Biochemistry, University of Arkansas, USA
2:30 p.m.-3:00 p.m.	“Novel Membranes for Responsive Hydrophobic Interaction Chromatography Applications from Experiments and Simulations”	<u>Prof. Xianghong Qian</u> ; Department of Biomedical Engineering, University of Arkansas, USA
3:00 p.m.-3:15 p.m.	Coffee break	
3:15 p.m.-3:45 p.m.	“VIPS membranes for low-pressure/gravity-driven separation of oil and water”	<u>Prof. Antoine Venault</u> ; Chung Yuan Christian University, Taiwan
3:45 p.m.-4:15 p.m.	“Formation-structure-performance of polymeric membranes: Modeling and direct observation using microfluidic platforms”	<u>Prof. Guy Ramon</u> ; Faculty of Civil and Environmental Engineering, Technion, Israel
4:15p.m. - 4:45 p.m.	“Treatment of poultry slaughterhouse wastewater using combined system”	<u>Prof. Kulyash Meiramkulova</u> ; Professor of Management and Engineering in the field of environmental protection of L.N. Gumilyov Eurasian National University
4:45 p.m.-5:15 p.m.	‘Next Steps’ Closing ceremony	<u>Profs. Matsuyama; Wickramasinghe and Ford</u>
6:00 p.m.-8:00 p.m.	Dinner ; Shogun Japanese Hibachi Steakhouse and Sushi, 4096 N Steele Blvd Fayetteville, AR, 72703	Speakers, invited guests
Friday, May 17 9:00 a.m.-11:00 a.m.	Tour of facilities, guests depart	Staff/faculty