

## GCCES/CACP Conference Organizations

# 全球华人化工学者研讨会/全加华人教授年会组织委员会

### GCCCE 大会共同主席

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祝京旭	西安大略大学 (加拿大)
褚良银	四川大学
徐春保	西安大略大学 (加拿大)

### CACP 大会共同主席

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申锦瑜	达尔豪斯大学 (加拿大)
陈掌星	卡尔加里大学 (加拿大)
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孙泽能	西安大略大学 (加拿大)

### 志愿者

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孙泽能	Coordinator (志愿者组长)
王昊龙	Hotel Liaison and Registration Desk
刘卫/范尧	Registration, Fees and Accounting
金雪珂	Program Books
南天/黄金宝	Niagara Local Tour
付芝杰/魏晓阳	University Tour

## Welcome Message from the Co-Chairs of GCCES 大会主席寄语

Dear GCCE Colleagues:

GCCES is celebrating its 10th anniversary at its birthplace, the hotel “Marriott-on-the-Falls” at Niagara Falls, Canada. GCCES is a premier and world-wide academic exchange platform for Chinese chemical engineers and scientists interested in innovation and professional development to gather, exchange ideas and make friends. The symposia focus on a wide range of topics relevant to cutting-edge research, new technologies, and emerging growth areas in chemical engineering and science. It strongly promotes international academic exchanges and collaborations, facilitates cross-disciplinary integration and industrial-academic research co-operations, and encourages professional development of young Chinese chemical engineers and scientists on the world stage.

各位学者、朋友：

光阴荏苒，全球华人化工学者研讨会——国际化学工程前沿展望论坛在大家的支持和努力下已连续成功举办了九届。2018年恰逢本会议十年庆典，今年的大会回到了会议发源地——加拿大安大略省大瀑布市，于8月17日至20日由全球华人化工协会主办、加拿大华人教授协会与西安大略大学承办，并与第十届加拿大华人教授年会同期举行。在此诚挚感谢诸位学者专家拨冗莅临，与新老朋友忆往昔、话未来。

全球华人化工学者研讨会是由加拿大西安大略大学杰出教授祝京旭院士等海内外华人化工专家于2009年发起组织，汇聚全球化工领域专家学者的国际性学术会议，旨在共同探讨国际化学工程教育与科学研究前沿问题、传播化工知识与技术、推动国际交流与合作、促进化学工程与技术领域的学术繁荣、开展学科间的交叉融合和产学研协同创新、提高华人化工学者的全球影响力。本会议第一届于2009年在加拿大的大瀑布市举办，此后采用国内、国外轮流承办的模式已经成功举办了九年，从最初几十人发展至超五百人参会规模（2017年7月杭州），本会议系列已获得国内外华人化工学者的普遍认可和关注，实现了本会议创立的初衷和主旨。

不忘初心、全力创新、展望未来，我们致力延续历届全球华人化工学者研讨会的成功，感谢全球各地区的化工及相关领域科技界、教育界、产业界代表参加本次研讨会，针对国际化人才培养策略、产学研一体化发展模式、多学科交叉与融合、科技协同创新与能源和环境的可持续发展等一系列问题进行探讨，为全球华人化工学者和相关技术人员提供一个交流和展示的平台。敬请各位专家学者踊跃参与。

恭谢莅临、此致敬礼！

祝京旭、褚良银、徐春保 Jesse Zhu, Liangyin Chu, Charles Xu

第十屆全球華人化工學者研討會共同主席 GCCES-10 Co-Chairs

## Welcome Message from Co-Chairs of CACP 大会主席寄语

Dear Fellow CACP Colleagues:

On behalf of the organizing committee and the Canadian Academy of Chinese Professors, we whole-heartedly welcome you and your family to participate in the 10th Multidisciplinary Symposium of Canadian Academy of Chinese Professors -- the 10th Annual/Biannual Conference of the Canadian Academy of Chinese Professors (CACP-10).

This event is organized by the Canadian Academy of Chinese Professors (CACP), following the heel of nine successful symposia held in 2007-2016. This year, the symposium is held jointly with the 10th Global Chinese Chemical Engineers Symposium (GCCES-10), with joint plenary sessions. The aim of this symposium is to provide a forum for the Canadian Chinese professors and researchers to network, foster multidisciplinary collaborations, share experience and exchange ideas in scientific research and higher education.

We hope you and your family will enjoy the conferences and the city and make the best out of your trip to Niagara Falls. And we also look forwards to long-lasting friendship and many years of prosperous collaborations to come.

Conference Co-Chairs

Jesse Zhu, Jinyu Sheng, John Chen and Charles Xu

## Plenary Speakers 大会报告专家



***“Foresight: Using the Future for Strategic Decision-Making in Research and Practice”***

**Dr. Axel Meisen**

Past President, Memorial University of Newfoundland, Canada  
Past President and Fellow, Canadian Academy of Engineering

***“The Canadian Perspective on International Education”***

**Dr. Andy Hrymak**

Provost and Vice President Academic, Western University, Canada  
Fellow, Canadian Academy of Engineering



***“Engineering versus Business is as Printing Money versus Counting Money: What made Shenzhen Miracle?”***

**Dr. Shiping Zhu**

Vice President, Chinese University Hong Kong – Shenzhen Campus, China  
Fellow, Royal Society of Canada

***“Promoting International Experience in University Education”***

**Dr. Xinyu Yang**

Minister Counsellor for Educational Affairs  
Embassy of People’s Republic of China in Canada  
Formerly: Vice Director, China Scholarship Council.





***“How Chemical Engineering Helps Oil Recovery?”***

**Dr. John Chen**

Professor, The University of Calgary, Canada

Fellow, Canadian Academy of Engineering

***“Canadian Pulp and Paper Industry and its R&D:  
Status, Challenges and Opportunities”***

**Dr. Yonghao Ni**

Professor, University of New Brunswick, Canada

Fellow, Canadian Academy of Engineering



***“Technology Innovation Leads to World-Class Chemical Engineering”***

**Dr. Xinbin Ma**

Dean, School of Chemical Engineering and Technology,

Tianjin University, China



***“How to Shape Higher Education  
on the Context of Globalization and Cross-discipline?”***

**Dr. Ying Zheng**

Professor, Western University, Canada

Edinburgh University, UK

Fellow, Canadian Academy of Engineering



***“Significance and Strategies in Developing Delivery Systems  
for Macromolecular Drugs”***

**Dr. Victor Yang**

Former Dean, School of Pharmacy, Tianjin Medical University, China

Professor Emeritus, University of Michigan



国际化学工程前沿展望论坛——第十屆全球華人化工學者研討會  
**The 10<sup>th</sup> Global Chinese Chemical Engineers Symposium (GCCES-10)**

(Annual Symposium of the Global Academy of Chinese Chemical Engineers, <http://www.gcces.cn/>)

August 17-20, 2018

**Conference Co-Chairs:**

**Dr. Jesse Zhu (Western University), Dr. Liangyin Chu (Sichuan University), Dr. Charles Xu (Western University)**

**And**

第十屆加拿大華人教授年會

**The 10<sup>th</sup> Multidisciplinary Symposium of Canadian Academy of Chinese Professors (CACP-10)**

(Biannual Symposium of the Canadian Academy of Chinese Professors, <http://www.china-canada.info/>)

August 17-19, 2018

**Conference Co-Chairs:**

**Dr. Jesse Zhu (Western University), Dr. Jingyu Sheng (Dalhousie University),  
Dr. John Chen (University of Calgary), Dr. Charles Xu (Western University)**

**Marriott on the Falls, Niagara Falls, Ontario, Canada**

**Registration:** 13:00-21:00, Friday, August 17, Oakes Foyer (take stairs to the 2<sup>nd</sup> floor), Marriott on the Falls

**Breakfast:** 7:00-8:30am, August 18-19 in Oakes North (2<sup>nd</sup> floor), August 20 in Marriott Café (2<sup>nd</sup> floor)

## Program at a Glance

GCCE Session		CACP Session
<b>Saturday August 18, 2018</b>		
07:30-08:30	Breakfast	(Oakes North, 2 <sup>nd</sup> floor)
08:30-09:00	Opening ceremony	(Oakes South, 2 <sup>nd</sup> floor)
09:00-10:30	Plenary Session-1	(Oakes South, 2 <sup>nd</sup> floor)
10:30-11:00	Break	(Oakes Foyer, 2 <sup>nd</sup> floor)
11:00-12:00	Plenary Session-2	(Oakes South, 2 <sup>nd</sup> floor)
12:00-12:30	Group photo	(In front of Marriott on the Falls)
12:30-13:30	Lunch	(Hennepin Ballroom, Lobby level)
13:30-15:30	GCCE Regular Session-1 (Oakes North, 2 <sup>nd</sup> floor)	Plenary Session-3 (Oakes South, 2 <sup>nd</sup> floor)
15:30-16:00	Break/Posters	(Oakes Foyer, 2 <sup>nd</sup> floor)
16:00-17:00	GCCE Regular Session-2 (Oakes North, 2 <sup>nd</sup> floor)	Panel Discussion (Oakes South, 2 <sup>nd</sup> floor)
18:30-19:30	Dinner	(Oakes North, 2 <sup>nd</sup> floor)
<b>Sunday August 19, 2018</b>		
07:30-08:30	Breakfast	(Oakes North East, 2 <sup>nd</sup> floor)
08:30-10:30	GCCE Young Scholar Session (Oakes South, 2 <sup>nd</sup> floor)	CACP Keynote Session (Oakes North West, 2 <sup>nd</sup> floor)
10:30-11:00	Break/Posters	(Oakes Foyer, 2 <sup>nd</sup> floor)
11:00-12:30	GCCE Keynote Session-1 (Oakes South, 2 <sup>nd</sup> floor)	CACP Session (Oakes North West, 2 <sup>nd</sup> floor)
12:30-13:30	Lunch	(Hennepin Ballroom, Lobby level)
13:30-15:35	GCCE Keynote Session-2 (Oakes South, 2 <sup>nd</sup> floor)	CACP Special Session on Medicine (Oakes North West, 2 <sup>nd</sup> floor)
15:35-16:00	Break/Posters	(Oakes Foyer, 2 <sup>nd</sup> floor)
16:00-18:30		Free time
18:30-	Dinner at Queen Victoria Place	(reception starts by 18:30, dinner by 19:00)
<b>Sunday August 20, 2018</b>		
07:30-09:00	Breakfast	(Marriott Café, 2 <sup>nd</sup> floor)
09:00-10:45	GCCE Keynote Session-3	(Oakes South, 2 <sup>nd</sup> floor)
10:45-11:15	Break	(Oakes Foyer, 2 <sup>nd</sup> floor)
11:15-12:30	GCCE Regular Session-3/4	(Oakes South and Oakes North West, 2 <sup>nd</sup> floor)
12:30-14:00	Lunch	(Marriott Café, 2 <sup>nd</sup> floor)
14:00-15:30	GCCE Regular Session-5/6	(Oakes South and Oakes North West, 2 <sup>nd</sup> floor)
15:30-16:00	Break	(Oakes Foyer, 2 <sup>nd</sup> floor)
16:00-16:30	GCCE Closing Session	(Oakes South, 2 <sup>nd</sup> floor)

## Saturday Morning, August 18

8:30-	August 18 – AM	Plenary Session-1 sponsored by GCCE
10:30	Oakes South	(Chairs: Guohua Chen and Liangyin Chu)
8:30	Opening ceremony	Conference chairs, and Dr. Andy Hrymak
9:00	Axel Meisen	Foresight: Using the future for strategic decision-making in research and practice (Canadian Academy of Eng)
9:30	陈掌星 (Chen, Z)	How chemical engineering helps oil recovery? (University of Calgary)
10:00	马新宾 (Ma, X)	Technology innovation leads to world-class chemical engineering (Tianjin University)
10:30	Break	
11:00-	August 18 – AM	Plenary Session-2 sponsored by CACP
12:30	Oakes South	(Chairs: Li Xi and Charles Jia)
11:00	倪永浩 (Ni, Y)	Canadian pulp and paper industry and its R & D: status, challenges and opportunities (Univ of New Brunswick)
11:30	朱世平 (Zhu, S)	Engineering versus business is as printing money versus counting money: what made Shenzhen miracle? (McMaster University and CUHK Shenzhen)
12:00		Group photo (in front of the hotel)
12:30	Lunch	Hennepin Ballroom, on first floor
13:30-	August 18 – PM	Plenary Session-3 International Education (GCCE and CACP)
18:00	Oakes South	(Chairs: Jesse Zhu and Shiping Zhu)
13:30	郑莹 (Zheng, Y)	How to shape higher education on the context of globalization and cross-displine? (Univ of Edinburgh / Western U)
14:00	Andy Hrymak	The Canadian perspective on international education (Western U)
14:30	杨新育 (Yang, X)	Promoting international experience in university education (Chinese Embassy in Canada)
15:00	李木子 (Li, VM) 张箐(Zhang, Z)	Case studies of Canadian offshore schools in China (Western U) (Special Invited Talk)
15:30	Break	Post viewing in Oakes Foyer
16:00	Panel discussion	Andy Hrymak, 杨新育 (Yang, X), 陈国华 (Chen, G), 辛忠 (Xin, Z), 吴韜 (Wu, T), 郑莹 (Zheng Y), 李木子 (Li, VM), 张箐(Zhang, Z)

Saturday Afternoon, August 18

13:30-	Aug 18-PM	GCCE Regular Session-1
15:30	Oakes North	(Chairs: Charles Xu and Xiaoxun Ma)
13:30	高金森 (Gao, J)	石油沥青质纳微结构分析及其分解转化 (中国石油大学-北京)
13:40	刘作华 (Liu, Z)	刚柔组合搅拌浆强化流体混沌混合及工业应用(重庆大学)
13:50	唐盛伟 (Tang, S)	C <sub>4</sub> 烷基化反应过程强化研究 / A study on the intensification of C <sub>4</sub> alkylation process (四川大学)
14:00	徐晶 (Xu, J)	Study of structure-performance relationship for industrial catalysts (华东理工大学)
14:10	徐建鸿 (Xu, J)	多相微分散与传递过程: 从基础研究到工业应用 / Fundamental and applications of multiphase micro-dispersion and transport processes (清华大学)
14:20	漆志文 (Qi, Z)	Innovative solvent intensified reactive extraction processes (华东理工大学)
14:30	黎四芳 (Li, S)	管式反应器液相循环反应制备二甘醇乙烯基醚 / Preparation of diethylene glycol vinyl ether by liquid phase cyclic reaction in tubular reactor (厦门大学)
14:40	辛峰 (Xin, F)	Formation and dissociation of methane and carbon dioxide hydrates in slurries of phase change materials (天津大学)
14:50	张松平 (Zhang, S)	Biomimetic design of biocatalyzed artificial photosynthesis systems for sustainable CO <sub>2</sub> conversion to fuels (中国科学院过程工程研究所)
15:00	申宝剑 (Shen, B)	Nano Y zeolite assembly and its potential as an efficient catalytic cracking catalyst (中国石油大学-北京)
15:10	杨庆良 (Yang, Q)	Electrostatic dry coatings for pharmaceutical dosages with ultrafine powders (浙江工业大学)
15:20	黄佳琦 (Huang, J)	Interface engineering in lithium-sulfur batteries (北京理工大学)
15:30	Break	Post viewing in Oakes Foyer

16:00-	Aug 18-PM	GCCE Regular Session-2
18:00	Oakes North	(Chairs: Xiaogang Hao and Jinseng Gao)
16:00	奚桢浩 (Xi, Z)	PGA and its nanocomposite scaffolds prepared by supercritical fluid foaming for tissue engineering (华东理工大学)
16:10	汪伟 (Wang, W)	Functional microstructured materials from microfluidics (四川大学)
16:20	杨景轩 (Yang, J)	Effect of geometrical and operational factors on the transient properties of gas flow in cyclone separator (太原理工大学)
16:30	高鑫 (Gao, X)	The mechanism investigation for process intensification of the esterification reaction by microwave irradiation (天津大学)
16:40	修志龙 (Xiu, Z)	微生物菌群发酵生物基化学品的研究 / Fermentation of bio-based chemicals by microbial consortia (大连理工大学)
16:50	王成秀 (Wang, C)	Research development of solids holdup increasing in the CFB downer reactor (中国石油大学-北京)



## Sunday Morning, August 19

8:30-	Aug 19 – AM	GCCE Young Scholar Special Invited Session
10:30	Oakes South	(Chairs: Zifeng Ma and Jiahua Zhu)
8:30	张强 (Zhang, Q)	Chemical engineering concept of Li metal protection for high energy density rechargeable batteries (清华大学)
8:50	罗正汤 (Luo, Z)	Synthesis of 2D materials via chemical vapor deposition (香港科技大学)
9:10	白志山 (Bai, Z)	纤维聚结技术及其在硫酸烷基化中的应用 (华东理工大学)
9:30	张振宇 (Zhang, Z)	Nanotribology for the design of specialty chemicals (University of Birmingham)
9:50	吴峰 (Wu, F)	基于喷嘴进口气体旋流效应喷动床内气固两相流动规律数值模拟 (西北大学)
10:10	魏炜 (Wei, W)	仿生纳米剂型工程及其在抗肿瘤中的应用 (中国科学院过程工程研究所)
10:30	Break	Post viewing in Oakes Foyer
11:00-	Aug 19 – AM	GCCE Keynote Session-1
12:30	Oakes South	(Chairs: Chenxiu Wang and Qingliang Yang)
11:00	贾强 (Jia, CQ)	Using biochar for sustainability (U of Toronto)
11:15	褚良银 (Chu, L)	Dual responsive smart gating membranes (四川大学)
11:30	吴玉龙 (Wu, Y)	Catalytic upgrading of bio-oil produced from hydrothermal liquefaction of algae (清华大学)
11:45	肖文德 (Xiao, W)	Ultra-low-emission cleaning of flue gases: state-of-the-art process and its application (上海交通大学)
12:00	韩一帆 (Han, Y)	Operando spectroscopic study of dynamic structure of iron oxide catalysts during CO <sub>2</sub> hydrogenation (郑州大学)
12:15:	邹吉军 (Zou, J)	以生物质原料合成高密度喷气燃料的研究 (天津大学)
12:30	Lunch	Hennepin Ballroom, on the first floor

8:30-	Aug. 19 – AM	CACP Keynote Session
10:30	Oakes North West	(Chairs: Jinyu Sheng)
8:30	Boxin Zhao	Industry 4.0 and advanced bonding/coating materials (U of Waterloo)
8:50	Jun Yang	An Introduction to WIN 4.0 (Western's Industry 4.0 Network) (Western U)
9:10	Shuhui Sun	Nanomaterials for energy conversion, storage and environment (INRS-Energy) (Keynote)
9:30	Ling Zhao	Opportunity in the new territory – Xinjiang (East China U of Science and Technology)
9:50	Guohua Chen	Future teaching of ChemE (HKPU)
10:10	Chunbao Xu	Sugar to high-value chemicals (Western U)
10:30	Break	
11:00-	Aug. 19 – AM	CACP Session
12:30	Oakes North West	(Chairs: Xiufen Zheng)
11:00	Haojie Mao	Modeling brain trauma to understand injury mechanisms (Western U)
11:15	Zhibo Lu	Study on emergent pollutants in polar regions (Tongji U, China)
11:30	Zhongchao Tan	Advances in simultaneous NO <sub>x</sub> and SO <sub>2</sub> removal from industrial (U of Waterloo)
11:45	Liyong Qi	Highly efficient organosolv fractionation of pine sawdust into cellulose and lignin in organic acids (Western U)
12:00	Marshall Jiang	Spillovers and barriers to imitation: how do local firms respond to horizontal foreign direct investment through internal R&D? (Brock U)
12:15	Zhichuan Li	Relative performance evaluation (Western U)
12:30	Lunch	Hennepin Ballroom, on the first floor

## Sunday Afternoon, August 19

13:30-	Aug 19 – PM	GCCE Keynote Session-2
15:35	Oakes South	(Chairs: Jing Xu and Jianhong Xu)
13:30	丁玉龙 (Ding, Y)	Thermal energy storage from materials to system integration (University of Birmingham)
13:45	吴韬 (Wu, T)	Design and synthesis of novel materials for environmental applications (宁波诺丁汉大学)
14:00	张卫 (Zhang, W)	Vortex fluidic device (VFD) platform: a new paradigm for synthesis of nanomaterials under continuous flow (Flinders University)
14:15	曹达鹏 (Cao, D)	新型能源材料的设计合成/Designed synthesis of novel energy materials (北京化工大学)
14:30	辛忠 (Xin, Z)	Structural control and applications of polybenzoxazine based functional surface (华东理工大学)
14:45	尹双凤 (Yin, S)	Application of heterogeneous photocatalysis in organic synthesis (湖南大学)
15:00	马光辉 (Ma, G)	Intelligent Particles as Advanced Vaccine Delivery System (中科院过程工程所)
15:15	奚力 (Xi, L)	Computing in chemical engineering for transport processes and polymer materials ( <i>Young Scholar Invited Talk</i> ) (McMaster University)
15:35	Break	Post viewing in Oakes Foyer

13:30-	Aug. 19 – PM	CACP Special Session on Medicine
15:35	Oakes North West	(Chairs: Marshall Jiang)
13:30	Victor Yang	Significance and strategies in developing delivery systems for macromolecular drugs ( <i>Plenary</i> ) (Tianjin Medical U & U of Michigan)
13:55	Chuanwu Xi	Biofilm and its control in engineering systems and medicine ( <i>Keynote</i> ) (U of Michigan, USA)
14:15	Xiufen Zheng	Circular RNA in heart disease (Western U)
14:30	Song Liu	Material solutions to the problem of bacterial infections (U of Manitoba)
14:45	Peizhong Wang	Health status of Asian immigrants in Canada (Memorial U of Newfoundland)
15:00	Wanying Wang	Subjective reconstruction and autobiographical inquiry (U of British Columbia)
15:15	Ping Yang	Breast and ovarian cancer testing and treatment (London Health Science Centre & Western U)
15:30	Co-Chairs	CACP Symposium Closing
15:35	Break	

## Monday Morning, August 20

9:00-	Aug. 20 – AM	GCCE Keynote Session-3
12:30	Oakes South	(Chairs: Zhiwen Qi and Baojian Shen)
9:00	陈国华 (Chen, G)	Advances in Li-S batteries R&D 锂-硫电池的研发进展 (香港理工大学)
9:15	朱为宏 (Zhu, W)	Comprehensive control of voltage loss enables 11.7% efficient solid-state dye-sensitized solar cells (华东理工大学)
9:30	马紫峰 (Ma, Z)	The model development and SOC/SOH estimation for Li-ion batteries application (上海交通大学)
9:45	王志 (Wang, Z)	分离 CO <sub>2</sub> 混合基质膜构建 (天津大学)
10:00	胡浩权 (Hu, H)	煤直接转化中的若干关键科学问题/Some key scientific problems in direct coal conversion. (大连理工大学)
10:15	王永刚 (Wang, Y)	Status and development of coal chemical industry in the world energy system (中国矿业大学)
10:30	程芳琴 (Cheng, F)	煤电污染物界面迁移及调控机制 (山西大学)
10:45	Break	

(Continued)

11:15-	Aug. 20 – AM	GCCE Regular Session-3
12:30	Oakes South	(Chairs: Qingmin Pan and Zhiguo Su)
11:15	刘壮 (Liu, Z)	Smart hydrogels: network design and emerging applications (四川大学)
11:25	王际童 (Wang, J)	Carbon materials for the catalytic removal of gaseous pollutants (华东理工大学)
11:35	赵世成 (Zhao, S)	基于成核剂的聚丙烯晶型调控及性能优化 / Tailor of crystal form and performance optimization of polypropylene based on nucleating agents (华东理工大学)
11:45	朱万诚 (Zhu, W)	碱土金属硼/硅酸盐纳米纤维: 定向生长、三维组装及在储能与水处理等领域应用 / Alkaline earth metal borates/silicates nanofibers: Oriented growth, 3D self-assembly, and novel applications in energy storage and water treatment (曲阜师范大学)
11:55	吕荣文 (Lyu, R)	N, S 双掺杂碳材料的合成及催化性能 / Nitrogen and Sulfur Co-Doped Carbon Nanospheres for Highly efficient Oxidation of Ethylbenzene (大连理工大学)
12:05	朱家骅 (Zhu, J)	The sustainability assessment to a chemical process based on free energy consumption caused from resource dissipation and environment degradation (四川大学)
12:15	刘业飞 (Liu, Y)	CFD simulation of gas-liquid flow in a bubble column with multi-channel ceramic membrane distributor (南京工业大学)
12:30	Lunch	Marriott Café, 2nd floor

11:15-	Aug. 20 – AM	GCCE Regular Session-4
12:30	Oakes North West	(Chairs: Dongbin Li and Wancheng Zhu)
11:15	周业丰 (Zhou, Y)	Development of liquid-containing gas-solid fluidized bed reactor system and its acoustic monitoring application (湘潭大学)
11:25	潘勤敏 (Pan, Q)	Development and application of novel polymer materials for oil-water separation (University of Waterloo / 苏州大学)
11:35	赵之平 (Zhao, Z)	Grafting ionic liquid into polypropylene fibrous membranes for catalysis performance (北京理工大学)
11:45	鲁厚芳 (Lu, H)	Physicochemical properties of 1,8-diazabicyclo [5.4.0] undec-7-ene (DBU)-glycerol as the chemical absorbent of CO <sub>2</sub> (四川大学)
11:55	李平 (Li, P)	Carbon nanotubes-supported Pt catalysts for decalin dehydrogenation to release hydrogen: A comparison between oxygen- and nitrogen-surface modification effects (华东理工大学)
12:05	孙亚琴 (Sun, Y)	生物基化学品的盐析和糖析萃取 / Salting-out and sugaring-out extraction of bio-based chemicals (大连理工大学)
12:15	胡斌杰 (Hu, B)	The Role of Ionic Liquid in miniemulsion polymerization for Waterborne Coating Application (University of Nottingham Ningbo China)
12:30	Lunch	Marriott Café, 2nd floor

## Monday Afternoon, August 20

14:00-	Aug. 20 – PM	GCCE Regular Session 5
15:30	Oakes South	(Chairs: Sulan Xia and Wei Li)
14:00	李洪 (Li, H)	基于多孔介质的分离过程强化 (天津大学)
14:10	王凯 (Wang, K)	Highly efficient chemical syntheses using microflow reaction processes (清华大学)
14:20	郝晓刚 (Hao, X)	Electrically switched ion membrane for ion selective separation and recovery: from ESIX to ESIPM (太原理工大学)
14:30	姜红 (Jiang, H)	Intensification of membrane dispersion on catalytic hydrogenation (南京工业大学)
14:40	史楷歧 (Shi, K)	Microwave catalytic pyrolysis of organic waste for hydrogen-rich syngas (宁波诺丁汉大学)
14:50	马晓迅 (Ma, X)	The conversion and utilization of carbon dioxide (西北大学)
15:00	陈日志 (Chen, R)	Catalysis based on membranes / 膜催化 (南京工业大学)
15:10	楼宏铭 (Lou, H)	纤维素乙醇过程强化与木质素高效利用 (华南理工)
15:20		(现场注册同仁)
15:30	Break	

14:00-	Aug. 20 – PM	GCCE Regular Session 6
15:30	Oakes North West	(Chairs: Yong Luo and Jinli Zhang)
14:00	段五华 (Duan, W)	离心萃取器的研究及应用 (清华大学)
14:10	柳忠彬 (Liu, Z)	流态化技术在尾矿资源化的应用/Application of fluidization technology in tailings resource utilization (四川理工学院)
14:20	潘伦 (Pan, L)	金属氧化物材料中金属缺陷的调控工艺研究及其光电化学应用 (天津大学)
14:30	苏志国 (Su, Z)	QbD in bioseparation engineering (中科院过程工程所)
14:40	吴明铂 (Wu, M)	重质油基高性能碳材料的制备及其在储能领域中的应用(中国石油大学-华东)
14:50	李冬兵 (Li, D)	Fast Pyrolysis of Lignins (西北农林科技大学)
15:00	杨杰 (Yang, J)	Biofuels production from bio-wastes via hydrothermal liquefaction (Dalhousie University)
15:10		(现场注册同仁)
15:20		(现场注册同仁)
15:30	Break	

## Posters: (尺寸: 长 120cm, 宽 100cm)

罗勇	Mass transfer in a rotating packed bed: modeling and verification (北京化工大学)
孙宝昌	Multiphase flow catalysis in a rotating packed bed (北京化工大学)
张亮亮	Gas dehydration process intensification using higee technology(北京化工大学)
邹海魁	Comparison between dynamic- and static-state model for gas-liquid mass-transfer process in rotating packed bed (北京化工大学)
周颖	Hard carbon from coal coated by graphene as anode materials for sodium-ion batteries (大连理工大学)
尹晓红	Reduction of CO <sub>2</sub> to methanol on photocatalysts of ZnO/rGO in isopropanol (天津理工大学)
杜健军	Green fabrication of fluorescent and colorimetric sensors based on supramolecular chemistry (大连理工大学)
杨臣	Multi-scale study of mass transfer mechanism in catalyst layer for catalytic distillation process (福州大学)
严圣林	浮选过程中油滴与气泡相互作用的实验研究 (华东理工大学)
黄渊	Green treatment technology for petroleum and chemical wastewater (华东理工大学)
曹晨熙	Kinetics and mechanistic study of CO <sub>2</sub> hydrogenation to $\alpha$ -olefins over iron-based catalysts (华东理工大学)
曾晓飞	Preparation of nano-silver by high-gravity technology and its application in transparent conductive films (北京化工大学)
乐园	Cyanoacrylate polymerization using higee rotating packed bed/超重力技术合成聚氰基丙烯酸 (北京化工大学)
李少伟	Study on the droplet breakup in a pulsed disc and doughnut column (清华大学)

张金利	Research on high shear mixer and the applications (天津大学)
邱挺	反应精馏塔内催化填料结构优化的多尺度策略研究 (福州大学)
申志兵	轻质硫醇和噻吩的重质化在 FCC 汽油深度脱硫中的应用 (西安石油大学)
张永胜	Silica nanotubes with controlled dimensions prepared via self-assembly of amphiphilic block-copolymer (郑州大学)
夏宇飞	Exploiting the pliability and lateral mobility of Pickering emulsion for enhanced vaccination (中国科学院过程工程研究所)
初莱	Synthesis of Na-X zeolite from oil shale ash by alkaline fusion hydrothermal method (中国矿业大学-北京)
周玲妹	Effect of occurrence mode of Cd on volatility during pyrolysis process (中国矿业大学-北京)
兰文杰	Study on a new droplet breakup mechanism in co-axial micro-devices (中国石油大学-北京)
董斌斌	超临界二氧化碳发泡注塑成型技术应用 (郑州大学)
王晓达	隔壁反应精馏抑制自催化反应以实现醋酸甲酯的深度水解 (福州大学)
李韡	Crystallization behavior of biodegradable aromatic-doped polycaprolactone (天津大学)
龙飒然	The interaction mechanisms between chromophores within coumarin-hemicyanine fluorescent probes (大连理工大学)
董晋湘	Tribological properties of typical ZIFs as grease-based lubricant additives (太原理工大学)
黄渊	Green treatment technology for petroleum and chemical wastewater (华东理工大学)

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