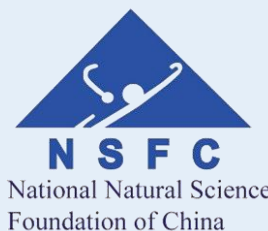


Call for abstracts

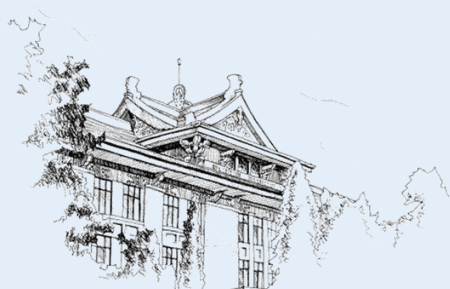


SCPPE 2019

New Pathways towards Sustainable Product and Process Engineering

5th International Conference on Sustainable Chemical Product and Process Engineering

Tianjin, China
June 30–July 3, 2019



Hosted by
Tianjin University



Sponsored by

National Natural Science Foundation of China

National Science Foundation, USA

Tianjin University, China

Key Laboratory for Green Chemical Technology of Ministry of Education, China



Abstract submission deadline: 15, April, 2019

<http://c1-chem.tju.edu.cn/class/96>

Overview:

Global challenges, such as overconsumption of natural resources, various types of environmental pollution and health issues, the impacts of climate change, and loss of biodiversity have become increasingly evident. Societies are now more aware of the challenges than ever, and understand more deeply that sustainability is essential to economic success and environmental protection. In the chemical industry, process and product sustainability becomes a focal point in deriving feasible solutions for its sustainable development. In this direction, global effort and international collaboration can contribute greatly.

Since 2007, the international conferences on Sustainable Chemical Product and Process Engineering (SCPPE) have been very successfully held triennially with sponsorship from China NSF, US NSF, and other organizations and attracted a large number of attendees from around the world. As the 5th SCPPE event, the 2019 SCPPE is being organized by Tianjin University, Tianjin, China.

Conference Theme and Topical Areas:

This conference will provide a unique forum for researchers, scientists, and practitioners around world to assess and critique the current status and future directions of collaborative research and development. The conference theme is **New Pathways towards Sustainable Process and Product Engineering**. **The key topical areas include:**

- 1) Alternative and renewable energy systems and supply chain,
- 2) Biological conversion and processes,
- 3) Fine chemical innovation and sustainability,
- 4) Fossil energy and sustainability in production,
- 5) Green chemistry and engineering applications,
- 6) Green reaction engineering and separations
- 7) Innovation in sustainable process design,
- 8) Nano material design and systems,
- 9) Process integration and intensification
- 10) Smart manufacturing and big data analytics
- 11) Sustainability assessment, LCA, and tools,
- 12) Water management and reuse.

Conference Co-Chairs:

Ma, Xinbin (Tianjin University, China)

Huang, Yinlun (Wayne State University, USA)

International Academic Committee:

Chair:

Han, Buxing (Chinese Acad Sci, Inst Chem, China)

Grossmann, Ignacio (Carnegie Mellon Univ, USA)

Committee Members :

Agrawal, Rakesh	(USA)	Li, Bogeng	(China)
Allen, David	(USA)	Liu, Changjun	(China)
Araujo, Ofelia Q.F.	(Brazil)	Liu, Zhongmin	(China)
Azapagic, Adisa	(UK)	Majozi, Thokozani	(South Africa)
Bakshi, Bhavik	(USA)	Maravelias, Christos	(USA)
Biegler, Lorenz	(USA)	Martin, Mariano	(Spain)
Chen, Jianfeng	(China)	Peng, Xiaojun	(China)
Chen, Yongjun	(China)	Pistikopoulos, Stratos	(USA)
Chu, Liangyin	(China)	Qian, Yu	(China)
Diaz, Maria Soledad	(Argentina)	Realff, Matthew	(USA)
Eden, Mario	(USA)	Reklaitis, Gintaras	(USA)
Edgar, Thomas	(USA)	Repke, Jens-Uwe	(Germany)
El-Halwagi, Mahmoud	(USA)	Seay, Jeffrey	(USA)
Flores, Antonio	(Mexico)	Shonnard, David	(USA)
Gani, Rafiqul	(Denmark)	Siirola, Jeffrey	(USA)
Gong, Jinlong	(China)	Srinivasan, Rajagopalan	(India)
He, Mingyuan	(China)	Tan, Tianwei	(China)
Ierapetritou, Marianthi	(USA)	Tian, He	(China)
Jiang, Zhongyi	(China)	Wang, Jingkang	(China)
Jin, Wanqin	(China)	Xu, Chunming	(China)
Karimi, Iftekhar	(Singapore)	Yuan, Yingjin	(China)
Klemes, Jiri	(Czech)	You, Fengqi	(USA)
Kokossis, Antonis	(Greece)	Zhang, Guojun	(China)
Kraslawski, Andrzej	(Finland)	Zhang, Suojiang	(China)
Kravanja, Zdravko	(Slovenia)	Zhu, Wangxi	(China)
Lee, Jae W	(Korea)		

Organizing Committee:

Huang, Shouying

Tao, Weijing

Yang, Hong

Li, Jing

Plenary Speaker (confirmed):

Name	Title	Affiliation	Country
Jinghai Li	Member of CAS	Inst Proc Engn, CAS	China
Ignacio Grossmann	Member of NAE	Carnegie Mellon Univ	USA
Buxing Han	Member of CAS	Inst Chem, CAS	China
Rakesh Agrawal	Member of NAE	Purdue Univ	USA
Jianfeng Chen	Member of CAE	Beijing Univ Chem Technol	China
David Allen	Member of NAE	Univ Texas Austin	USA
Lorenz Biegler	Member of NAE	Carnegie Mellon Univ	USA
Zdravko Kravanja	Member of Slovenia NAE	Univ Maribor	Slovenia
Rafiqul Gani	Member of Danish NSA	PSE for SPEED	Denmark

Keynote Speaker (confirmed):

Name	Affiliation	Country
Ofelia Q.F. Araujo	Cidade Univ	Brazil
Bhavik Bakshi	Ohio State Univ	USA
Liangyin Chu	Sichuan Univ	China
Mario Eden	Auburn Univ	USA
Yao Fu	Univ Sci & Technol China	China
Jing He	Beijing Univ Chem Technol	China
Jun Huang	Univ Sydney	Australia
Marianthi Ierapetritou	Rutgers Univ	USA
Hongbing Ji	Sun Yat Sen Univ	China
Wanqin Jin	Nanjing Tech Univ	China
Jae W Lee	Korea Advanced Institute of Science and Technology	Korea
Chunzhong Li	East China Univ Sci & Technol	China
Christos Maravelias	Univ Wisconsin	USA
Jens-Uwe Repke	Tech Univ Berlin	Germany
Ning Yan	Natl Univ Singapore	Singapore
Fengqi You	Cornell Univ	USA
Jianguo Wang	Zhejiang Univ Technol	China
Shuangyin Wang	Hunan Univ	China

Timetable:

Abstract Submission Due:	April, 15, 2019
Notification of Acceptance:	April, 20, 2019
Early-Bird Registration Due:	May, 10, 2019
Conference Date:	June 30–July 3, 2019

Working Language and Abstract Submission:

English will be the language for both the abstracts and presentations in the conference. The format for abstract (1 page) is announced on the conference website; all abstracts should be submitted online.

Registration Fee:

Regular Attendee: 600 USD (4200 RMB); Student: 300 USD (2100 RMB)

Regular Attendee: 480 USD (3300 RMB); Student: 240 USD (1700 RMB) (**Early-Bird**)

Venue:

Shangri-La Hotel (天津香格里拉酒店)

Address: No. 328 Haihe East Road, Hedong District, Tianjin, China.

Website: <http://www.shangri-la.com/en/tianjin/shangrila/>

Tianjin is located on the west coast of Pacific Ocean and a central metropolis in northern China with a population of 16 million and 12000 square kilometers. As a neighbor of Beijing, Tianjin (literally the Emperor's Ford), serves as Beijing's vital gateway to the sea. The city has developed to a centre of foreign trade, industry, finance and transport with the modernization of China and economic growth. Tianjin is also a popular tourist city. There are a variety of historical heritages, natural resources, local folk culture and other attractions.

Getting to Tianjin

By air: Passengers can directly fly to Tianjin Binhai International Airport (13 km away from the city centre). The airport supplies both domestic and international air routes connecting it with over 50 destinations home and abroad. With convenient transportation links, passengers can easily get to Tianjin center by airport shuttle bus, metro (line 2) and taxi. In addition, international passengers can fly to Beijing Capital International Airport and transfer to Tianjin by coach, taxi and Beijing-Tianjin intercity high speed railway.

By train: There are four railway stations in Tianjin. Tianjin station is the primary and busiest station. The West station is the transportation hub of Beijing-Tianjin and Beijing-Shanghai railways. The South station is an intermediate stop along Beijing-Shanghai high speed railway. It mainly operates bullet trains to/from Beijing, Shanghai, Nanjing, Suzhou, Hangzhou and other cities in southern China. Yujiapu station is along the extension line of Beijing-Tianjin railway and mainly serves passengers to Tianjin Binhai new district.

More details about Tianjin City can be found at website: <http://www.exploringtianjin.com/>

About Tianjin University

Tianjin University, established in 1895 with the name of Peiyang University, is the first institution of higher education in China. Over a hundred years, more than 100,000 students have graduated from Tianjin University and made great contributions to the social and economic development of China. At present, Tianjin University has grown into a National Key University directly under the administration of the Ministry of Education of China. Tianjin University boasts a strong discipline layout with stress on engineering, applied science and management. Notably, the discipline of Chemical Engineering has consecutively ranked Top 1 in China for decades. With the tradition of diligence and modesty, Tianjin University is prepared for the goals of the world-class universities featuring “Comprehensiveness, Research, Openness and Internationalization”.

Correspondence:

Secretary General of Conference:

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