

Workshop on Fuels and Combustion

8th– 10th August, 2010

Wu Zhen, China

Organized by: Shanghai Jiao Tong University (SJTU)

Program Committee



Prof. Zhen Huang
Vice President of Shanghai
Jiao Tong University, China



Prof. Hai Wang
University of Southern
California, USA
Changjiang Chair Professor of
SJTU

About the Workshop

Motivation

To promote interactions between fundamental combustion research and applied engine research.

Workshop Topics

- Fundamental flame chemistry
- Soot kinetics
- Engine combustion

Keynote Lecture



Title to be announced

Dr. Chung K. Law
Princeton University, USA

Fundamental Flame Chemistry– Invited Lecture 1



Recent applications of synchrotron VUV photoionization mass spectrometry: insight into combustion chemistry

Dr. Fei Qi
University of Science and
Technology, Hefei, China

Fundamental Flame Chemistry– Invited Lecture 2



Combustion of renewable transportation fuels: A chemical kinetic perspective

Dr. Philippe Dagaut
National Center for Scientific
Research(CNRS), France

Fundamental Flame Chemistry– Invited Lecture 3



Towards predictive combustion chemistry - selected problems of chemical kinetics, thermodynamic and transport properties

Dr. Hai Wang

University of Southern California, USA

Kinetics and Modeling of Soot Formation–Invited Lecture 5

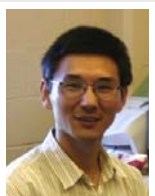


Soot - fundamentals and applications

Dr. Markus Kraft

University of Cambridge, UK

Kinetics and Engine Modeling– Invited Lecture 7



A dynamic multi-timescale method for kinetic model reduction and direct numerical simulation of HCCI combustion

Dr. Yiguang Ju

Princeton University, USA

Engine Combustion – Invited Lecture 9



Purpose and possibility of multi-fuel combustion in DI engines

Dr. Wanhua Su

Tianjin University, China

Kinetics and Modeling of Soot Formation–Invited Lecture 4



From novel fuels to nanoparticle formation in combustion environments

Dr. Angela Violi

University of Michigan, USA

Kinetics and Modeling of Soot Formation–Invited Lecture 6



Evaluating soot particle surface reactions from measured particle size

Dr. Fabian Mauss

University of Cottbus, Germany

Engine Combustion– Invited Lecture 8



Advanced low emission technologies for diesel engines

Dr. Yasuhiro Daisho

Waseda University, Japan

Engine Combustion– Invited Lecture 10



Fuel design for engine combustion

Dr. Zhen Huang

Shanghai Jiao Tong University, China

Schedule

Sunday, August 8

13:00-15:00	Registration, Faculty center of SJTU
15:30	Departure for WuZhen
18:00-20:00	Reception

Schedule

Monday, August 9

08:30-08:40	Opening
08:40-09:30	Keynote Lecture
09:30-10:15	Invited Lecture 1
10:15-10:30	Coffee Break

Schedule		Schedule	
Monday, August 9		Tuesday, August 10	
10:30-11:15	Invited Lecture 2	08:30-09:15	Invited Lecture 8
11:15-12:00	Invited Lecture 3	09:15-10:00	Invited Lecture 9
12:00-14:30	Lunch and Break	10:00-10:15	Coffee Break
14:30-15:15	Invited Lecture 4	10:15-11:00	Invited Lecture 10
15:15-16:00	Invited Lecture 5	12:00-13:30	Lunch
16:00-16:15	Coffee Break	13:30	Departure for SJTU
16:15-17:00	Invited Lecture 6	15:00-16:30	Visiting the Engine Combustion Lab of SJTU
17:00-17:45	Invited Lecture 7	16:30-21:00	Dinner and City Sightseeing
18:00-20:00	Banquet		
		Wednesday, August 11	
		08:30-17:30	Tour of the 2010 World Expo

Registration Location

Faculty Center of Shanghai Jiao Tong University (in Xuhui Campus)

Address: 1954 Hua Shan Road, Xuhui District, Shanghai 200030

**Shanghai Jiao
Tong University**



**Pudong
International
Airport**

Conference Venue

Wu Zhen Town, Zhe Jiang Province, China

<http://www.wuzhen.com.cn/wuzhen.eng/>



For information on the workshop programme:

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