

# Daily Program

Monday, August 22					
CST Beijing	Session chair	Report type	Presenter	Title and serial number	Affiliation
13:10 <b>Opening</b>					
13:30	Pan Li	Plenary Lecture	Jun Ma	(1) Research progress of several microbubble applications in water quality enhancement treatment	Harbin Institute of Technology, China
14:05		Plenary Lecture	Keping Yan	(2) Plasma Bubbles: From Fundamentals to Marine Sonar	Zhejiang University, China
14:40		Presentation	Takehiko Sato	(3) Formation of post-collapse bubbles of laser- or spark-induced bubbles	Tohoku University, Japan
14:55		Presentation	Yoshikatsu Ueda	(4) Attenuation Coefficient of Ultrafine Bubble Water in Broadband Ultrasound and Measurement of Bubble Number Density	Kyoto University, Japan
15:10 <b>Coffee Break</b>					
15:25	Katsuyuki Takahashi	Presentation (Invited)	Gang Pan	(5) Oxygen fine bubbles for water pollution control	York St John University, UK
15:50		Presentation (Invited)	Xianren Zhang	(6) Thermodynamic analysis and molecular simulation on stability of bulk nanobubbles	Beijing University of Chemical Technology, China
16:15		Presentation (Invited)	Fang Yang	(7) Bubble structure and biomedical applications	Southeast University, China
16:40		Presentation	Lijuan Zhang	(8) Progress in Nanobubble Research Investigated by Synchrotron Radiation Techniques	Shanghai Advanced Research Institute, CAS, China
16:55		Presentation	Rattanaporn Norarat	(9) Development of New Aquaculture Technology Using Fine Bubbles in Thailand	Rajamangala University of Technology Lanna, Thailand
17:10		Presentation	Chiti Sritontip	(10) Effects of electrical conductivity and micro-nanobubbles on physiological change and yield of tomato in nutrient solution culture	Agricultural Technology Research Institute, Thailand
17:25		Presentation	Vishnu Thonglek	(11) Evaluation of Ozone Fine Bubbles in Salt Water	Rajamangala University of Technology Lanna, Thailand
17:40		Presentation	Jinhai Niu	(12) Preparation and sterilization of Camellia Oil activated by atmospheric pressure plasma	Dalian University for Nationalities, China
17:55 <b>Closing</b>					

## Tuesday, August 23

CST Beijing	Session Chair	Report type	Presenter	Title and serial number	Affiliation	
9:00	Yanan Liu	Plenary Lecture	Kiyoshi Yoshikawa	(1) Fine Bubble Technology and Issues for further Applications in Thailand Fine Bubble Technology and Issues for further Applications in Thailand	Kyoto University, Japan	
9:35		Presentation (Invited)	Xuehua Zhang	(2) Microbubble-enhanced water activation by cold plasma	University of Alberta, Canada	
10:00		Presentation (Invited)	Wen Zhang	(3) Characterization of Colloidal, Mechanical and Electrochemical Properties of Nanobubbles in Water	New Jersey Institute of Technology, US	
10:25		Presentation (Invited)	Masayoshi Takahashi	(4) Microbubble Technology in Semiconductor Manufacturing	Tohoku University, Japan	
10:50		<b>Coffee Break</b>				
11:05		Presentation	Tetsu Sakakibara	(5) Decomposition of Sulfamonomethoxine by Discharge inside Bubble in Water	Iwate University, Japan	
11:20		Presentation	Limin Zhou	(6) Study of nanobubbles in water by soft X-ray absorption spectroscopy	Shanghai Advanced Research Institute, CAS, China	
11:35		Presentation	Guanghang Wang	(7) Partial Ventilating phenomena of a cavitation bubble near a free surface induced by the Rayleigh-Taylor instability	Institute of Mechanics, Chinese Academy of Sciences, China	
11:50		Presentation	Chao Huang	(8) Study on performance enhancement and membrane fouling controlling for membrane distillation on high salinity wastewater	Tongji University, China	
12:05	<b>Lunch Break</b>					
13:30	Yoshikatsu Ueda	Presentation (Invited)	Yanan Liu	(9) Non-thermal Plasma Combined with Microbubbles	Donghua University, China	

				for Water Treatment and Soil Remediation	
<b>13:55</b>		<b>Presentation (Invited)</b>	<b>Koichi Takaki</b>	(10) Design of pulsed power generator and its applications in agriculture and food processing	Iwate University, Japan
<b>14:20</b>		<b>Presentation</b>	<b>Katsuyuki Takahashi</b>	(11) Enhancement of Plasma Generation Under Water using Fine Bubbles	Iwate University, Japan
<b>14:35</b>		<b>Presentation</b>	<b>Choncharoen Sawangrat</b>	(12) Optimization of Plasma Activated Water Generation for Carbendazim Degradation	Chiang Mai University, Thailand
<b>14:50</b>		<b>Presentation</b>	<b>Jinglin Liu</b>	(13) Plasma kinetics modeling of ethanol reforming by microwave discharge in liquid	Dalian Maritime University, China
<b>15:05</b>		<b>Presentation</b>	<b>Wei Wang</b>	(14) Surface Air Discharge Plasma Activation of Aqueous Solution and Its Influence on Biological Effects	Xi'an Jiaotong University, China
<b>15:20</b>	<b>Coffee Break</b>				
<b>15:35</b>	<b>Rattana- porn Norarat</b>	<b>Presentation</b>	<b>Dan Song</b>	(15) Modulation of Single- and Multi-bubble Sonoluminescence by Carbon Nanodots in Water-1	Chongqing Medical University, China
<b>15:50</b>		<b>Presentation</b>	<b>Bao LI</b>	(16) Adsorption and accumulation mechanism of N <sub>2</sub> on groove-type rough surfaces: a molecular simulation study	Taiyuan university of technology, China
<b>16:05</b>		<b>Presentation</b>	<b>Xiangjun Gong</b>	(17) Label-free 3D tracking of nanobubbles	South China University of Technology, China
<b>16:20</b>		<b>Presentation</b>	<b>Zhongdong Liu</b>	(18) Effect of Emulsified Stabilizer on Bubble Stability in Gas Beverage	University of Shanghai for Science and Technology, China
<b>16:35</b>		<b>Presentation</b>	<b>Prutchayawoot Thopan</b>	(19) Novel Preparation of Melatonin Encapsulation by Nanobubbles Technology and Ball Milling Technique	Rajamangala University of Technology Isan, Thailand
<b>16:50</b>	<b>Closing Ceremony &amp; Next Conference</b>				