ISPFB

The International Symposium on Plasma & Fine Bubbles

August 22-23, 2022, online

Daily Program

Monday, August 22

CST Beijing	Session chair	Report type	Presenter	Title and serial number	Affiliation
13:15	Opening & Welcome (Prof. Kiyoshi Yoshikawa, Jun Hu and Tizhuang Wang)				
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	Coffee Break				
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	Zhaojun Li	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	Closing				

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	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	Coffee Break				
11:05	Lijuan Zhang	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	Lunch Break				
13:30		Presentation (Invited)	Yanan Liu	(9) Non-thermal Plasma Combined with Microbubbles for Water Treatment and Soil Remediation	Donghua University, China
13:55	Yoshikatsu Ueda	Presentation (Invited)	Koichi Takaki	(10) Design of Pulsed Power Generator and its Applications in Agriculture and Food Processing	Iwate University, Japan
14:20		Presentation	Katsuyuki Takahashi	(11) Enhancement of Plasma Generation Under Water Using Fine Bubbles	Iwate University, Japan
14:35		Presentation	Choncharoen Sawangrat	(12) Optimization of Plasma Activated Water Generation for Carbendazim Degradation	Chiang Mai University, Thailand
14:50		Presentation	Jinglin Liu	(13) Plasma Kinetics Modeling of Ethanol Reforming by Microwave Discharge in Liquid	Dalian Maritime University, China
15:05		Presentation	Wei Wang	(14) Surface Air Discharge Plasma Activation of Aqueous Solution and its Influence on Biological Effects	Xi'an Jiaotong University, China
15:20	Coffee Break				
15:35	Rattanaporn Norarat	Presentation	Dan Song	(15) Modulation of Single- and Multi-bubble Sonoluminescence by Carbon Nanodots in Water-1	Chongqing Medical University, China
15:50		Presentation	Bao Li	(16) Adsorption and Accumulation Mechanism of N_2 on Groove-type Rough Surfaces: A Molecular Simulation Study	Taiyuan university of technology, China
16:05		Presentation	Xiangjun Gong	(17) Label-free 3D Tracking of Nanobubbles	South China University of Technology, China
16:20		Presentation	Zhongdong Liu	(18) Effect of Emulsified Stabilizer on Bubble Stability in Gas Beverage	University of Shanghai for Science and Technology, China
16:35		Presentation	Prutchayawoot Thopan	(19) Novel Preparation of Melatonin Encapsulation by Nanobubbles Technology and Ball Milling Technique	Rajamangala University of Technology Isan, Thailand
16:50	Jun Hu	Vote on Excellent Oral Presentation Award			
17:00	Pan Li	Closing & Award Ceremony			