

	JST Tokyo	CST Shanghai	ICT Bangkok	
12-May-21	19:00	18:00	17:00	<b>Welcome Online Reception</b>

13-May-2021	JST Tokyo	CST Shanghai	ICT Bangkok	Session Chair	Presenter	Title	Affiliation	Remarks	
	10:50	9:50	8:50		<b>Opening</b>				
	11:00	10:00	9:00	Yoshikazu Ueda (RIKH, Kyoto Univ., Japan)	Plenary Lecture	Yanan Liu	<i>Non-thermal Plasma Combined with Microbubbles for Water Treatment and Soil Remediation</i>	School of Environmental Science and Engineering, Donghua University, China	45min
	11:45	10:45	9:45		Plenary Lecture	Koichi Terasaka	<i>Advances in basic treatment technology for ultrafine bubble water - Storage, transportation, concentration, dilution and removal -</i>	Keio University, Japan	45min
	12:30	11:30	10:30		Presentation	Chiti Sritontip	<i>Germination and Seedling Development in Crops as Affected by Micro-Nano Bubbles</i>	Rajamangala University of Technology Lanna, Thailand	15min
	12:45	11:45	10:45		Presentation	Siwei Liu	<i>Influencing Factors on Microsecond-pulsed Discharge Mode in Water</i>	Institute of Fluid Science, Tohoku University, Japan	15min
	13:00	12:00	11:00	<b>Lunch Break</b>					
	14:30	13:30	12:30	Yanan Liu (Donghua Univ., China)	Plenary Lecture	Jun Hu	<i>High Density of Gas State inside Nanobubbles and its Implications</i>	Shanghai Institute of Applied Physics, Chinese Academy of Sciences, China	45min
	15:15	14:15	13:15		Presentation (Invited)	Pan LI	<i>Fine bubble technology in China- application in the field of environmental engineering</i>	Tongji University, China	30min
	15:45	14:45	13:45		Presentation (Invited)	Zhaojun Li	<i>Fine Bubble Technology in China-Application and Standardization</i>	Institute of Process Engineering, Chinese Academy of Sciences, China	30min
16:15	15:15	14:15	Presentation		You Zhang	<i>Hydrogen nanobubble water alleviates oxidative stress of Cu to Tetrahymena thermophila</i>	Department of Environmental Science and Engineering, School of Space and Environment, Beihang University, China	15min	
16:30	15:30	14:30	Presentation		Lina Zhu	<i>Aquatic Macrophytes in Morphological and Physiological Responses to the Nanobubble Technology Application for Water Restoration</i>	School of Environmental Science and Engineering, Tongji University, China	15min	
16:45	15:45	14:45	<b>Coffee Break</b>						
17:00	16:00	15:00	Zhaojun Li (Chinese Academy of Sciences, China)	Presentation (Invited)	Kazuyuki Kuchitsu	<i>ROS-Mediated Regulation of Development and Stress Responses in Plants: Towards the Growth Control by Plasma and Ultrafine/Nano Bubble Technology</i>	Tokyo University of Science, Japan	30min	
17:30	16:30	15:30		Presentation	Rattanaporn Norarat	<i>Study on yield improvement of shitake mushroom in Thailand by air-fine bubbles water</i>	Rajamangala University of Technology Lanna, Thailand	15min	
17:45	16:45	15:45		Presentation	Alexis Guionet	<i>The use of Pulsed Electric Fields to protect L.edodes (Shiitake) from pathogens</i>	Iwate University, Japan	15min	
18:00	17:00	16:00		Presentation	Aoi Sato (Student)	<i>Effects of pulsed high voltage on the increase in yield and faster maturation of shitake mushroom</i>	Iwate University, Japan	15min	
18:15	17:15	16:15		Presentation	Palwasha Khan	<i>Effects of Micro-Nano Bubble Treated Water on Amaranth Green Vegetable</i>	College of Information and Electrical Engineering, China Agricultural University, China	15min	
18:30	17:30	16:30	<b>Closing</b>						

14-May-2021	JST Tokyo	CST Shanghai	ICT Bangkok	Session Chair	Presenter	Title	Affiliation	Remarks	
	11:00	10:00	9:00	Chiti Sritontip (RMUTT, Thailand)	Plenary Lecture	Sommai PIVSA-ART	<i>Present and future trend of fine bubbles technology in RMUTT</i>	Rajamangala University of Technology Thanyaburi, Thailand	45min
	11:45	10:45	9:45		Plenary Lecture	Nozomi Takeuchi	<i>Analyses of generation and reaction mechanisms of radicals in plasma with liquid by numerical simulation</i>	Tokyo Institute of Technology, Japan	45min
	12:30	11:30	10:30		Presentation (Invited)	Kyuichi Yasui	<i>Mechanism of OH radical formation from ultrafine bubbles</i>	National Institute of Advanced Industrial Science and Technology (AIST), Japan	30min
	13:00	12:00	11:00		Presentation	Prutchayawoot Thopan	<i>Development Nanobubbles Carrier in Drug Delivery System</i>	Rajamangala University of Technology Isan Khon Kaen Campus, Thailand	15min
	13:15	12:15	11:15	<b>Lunch Break</b>					
	14:45	13:45	12:45	Ni-orn Chomsri (RMUTT, Thailand)	Plenary Lecture	Dheerawan Boonyawan	<i>Perspectives on Non-thermal Plasma Study in Thailand.</i>	Plasma & Beam Physics Research Facility, CMU, Thailand	45min
	15:30	14:30	13:30		Presentation (Invited)	Minoru Tanigaki	<i>Direct measurement of the internal pressure of ultrafine bubbles by using radioactive nuclei as probe</i>	Kyoto University, Japan	30min
	16:00	15:00	14:00		Presentation	Thittawan Poolwong	<i>Factors Affecting Continuous Microplastics Separation Enabled by MNB</i>	Department of Materials Science and Engineering, Faculty of Engineering and Industrial Technology, Silpakorn University, Thailand	15min
	16:15	15:15	14:15		Presentation	Yuanwang Tang	<i>Research on size distribution and trends of micro-nano bubble using Pixact online bubble monitoring system</i>	BEIJING HIFERT TECHNOLOGY CO., LTD, China	15min
16:30	15:30	14:30	<b>Coffee Break</b>						
16:45	15:45	14:45	Dheerawan Boonyawan (CMU, Thailand)	Presentation	Karuna Jainontee	<i>The performance of tilapia culturing based on nozzle-FB generator with RAS system</i>	Rajamangala University of Technology Lanna, Thailand	15min	
17:00	16:00	15:00		Presentation	Jiayao Li	<i>Hydrogen nanobubble effects on copper uptake and reactive oxygen species accumulation in Chlorella vulgaris</i>	School of Space and Environment, Beihang University, China	15min	
17:15	16:15	15:15		Presentation	Wei Xiao	<i>The Mechanism of Nanobubble Improving the Mineral Flotation</i>	School of Resources Engineering, Xi'an University of Architecture and Technology, China	15min	
17:30	16:30	15:30		Presentation	Prutchayawoot Thopan	<i>Dwindling of Radon-222 Concentration in Brick by Micro/nano Bubbles Complement Material</i>	Rajamangala University of Technology Isan Khon Kaen Campus, Thailand	15min	
17:45	16:45	15:45		Presentation	Ni-orn Chomsri	<i>Effect of Ozone-Micro and Nano Bubbles on Escherichia coli Growth</i>	Rajamangala University of Technology Lanna, Thailand	15min	
18:00	17:00	16:00		Presentation	Le Quy Tung	<i>Effects of Micro/Nano-Bubble on Growth and Development of Muskmelon Using Hydroponic System</i>	Rajamangala University of Technology Lanna, Thailand	15min	
18:15	17:15	16:15	<b>Closing Ceremony</b>						