

3rd ISHPMNB Program Schedule

	Wednesday 9th, May	Thursday 10th, May				Friday 11th, May				Saturday 12th, May	
	Cafeteria "Kenji" in Main campus, Iwate University	A: Ginga-Hall (Eng. campus)	B: Multi-purpose room (Eng. campus)	C: ISIAF (Agri. campus)	D: Meeting room (Eng. campus)	A: Ginga-Hall (Eng. campus)	C: ISIAF (Agri. campus)	D: Meeting room (Eng. campus)	Hachimantai tour		
08:30-08:45		Registration at Ginga Hall, 8:30-17:00				Registration at Ginga Hall, 8:30-17:00					
08:45-09:00											
09:00-09:15	Program Committee Meeting	Opening address; Honorary chairs				Plenary Lecture 5 Speaker: Kiyoshi YOSHIKAWA (Rajamangala University of Technology Lanna), Chair: T. SATO		Invited lecture			
09:15-09:30		Plenary Lecture 1 Speaker: Akinori NOGUCHI (Sodick Co., Ltd., International Rice Research Institute, Africa Rice Center, Japan), Chair: K. TAKAKI				Invited Lecture 3 Speaker: Douyan WANG (Kumamoto University)					
09:30-09:45						Coffee break					
09:45-10:00		Plenary Lecture 2 Speaker: Seichi OSHITA (Graduate School of Agricultural & Life Sciences, The University of Tokyo, Japan), Chair: K. YOSHIKAWA				Coffee break					
10:00-10:15						Oral 6: Rungrawee THONGDON-A					
10:15-10:30		Plenary Lecture 3 Speaker: Takahiro TATEISHI (Iwate University), Chair: N. SEKINO				Oral 7: Boontarika THONGDONPHUM					
10:30-10:45						Oral 8: Karuna JAINONTEE					
10:45-11:00						Oral 9: Sakuntala SAIJAI					
11:00-11:15						Oral 10: Chinanat WITTHAYAPRAPAKORN					
11:15-11:30						Oral 11: Riho SEKIMIZU					
11:30-11:45						Lunch		Lunch (meeting)	ISHPMNB Committee Lunch meeting	Optional Tour	
11:45-12:00				Poster setup	ISIAF Lunch (meeting)						
12:00-12:15		Lunch									
12:15-12:30											
12:30-12:45											
12:45-13:00											
13:00-13:15		Plenary Lecture 4 Speaker: Takayuki OSHIMA (Gunma University, Japan), Chair: K. URASHIMA				Plenary Lecture 6 Speaker: Prof. Takashi HATA (National Institute of Technology, Kochi), Chair: Y. UEDA					
13:15-13:30		Invited Lecture 1 Choncharoen SAWANGRAT (Chiang Mai University)		Lab Tour		Invited Lecture 4 Speaker: Takehiko SATO (Tohoku University)					
13:30-13:45	Invited Lecture 2 Kazuyuki KUCHITSU (Tokyo University of Science)					Oral 12: Vishnu THONGLEK					
13:45-14:00						Coffee break					
14:00-14:15	Oral 1: Chiti SRITON TIP					Oral 13: Yoshikatsu UEDA					
14:15-14:30	Oral 2: Rattanaporn NORARAT					Coffee break					
14:30-14:45	Oral 3: Wassanai WATTANUTCHARIYA				Oral 14: Shoichiro HAMAMOTO		Invited lecture				
14:45-15:00	Oral 4: Chanchai DECHTHUMMARONG				Oral 15: Naoto NIHEI						
15:00-15:15	Oral 5: Yanan LIU				Oral 16: Serina ENDO						
15:15-15:30					Oral 17: Ni-orn CHOMSRI						
15:30-15:45					Oral 18: Weraporn PIVSA-ART						
15:45-16:00					Coffee break						
16:00-16:15					Invited Lecture 5 Speaker: Pan LI (Tongji University, China)						
16:15-16:30					Oral 19: Napaporn DEESANAM						
16:30-16:45					Oral 20: Xinyu LIAO		Closing Ceremony				
16:45-17:00					Oral 21: Chanchai DECHTHUMMARONG						
17:00-17:15			Poster presentation #1 (odd number)								
17:15-17:30			Poster presentation #2 (even number)								
17:30-17:45					Closing Ceremony						
17:45-18:00											
18:00	Welcome Reception (Cafeteria Kenji)	Banquet (Hotel Metropolitan Morioka) http://www.metro-morioka.co.jp/								Farewell party	

3rd ISHPMNB Program Schedule

Time / Date	9th, May (Wed)			Room: Conference room in Faculty of Science and Engineering
9:00 - 17:00	Program Committee Meeting			
18:00 - 19:30	Registration and Welcome Party			Room: Cafeteria in Faculty of Science and Engineering
Time / Date	10th, May (Thurs)			Room: Ginga Hall (and Poster Hall)
	Presentation No.	Pages of abstract	Speaker	Presentation Title
8:30 - 9:00	Registration			
9:00 - 9:15	Opening	-	Prof. Akira IWABUCHI (President, Iwate University, Japan) Prof. Prapat CHUEATHAI (Rajamangala University of Technology Lanna, Thailand)	
9:15 - 10:00	Plenary (PL-1)	1-9	Akinori NOGUCHI (Sodick Co., Ltd., International Rice Research Institute, Africa Rice Center, Japan)	Ohmic heating and pulsed electric fields for food processing
10:00 - 10:15	Coffee Break			
10:15 - 11:00	Plenary (PL-2)	11-16	Seichi OSHITA (Graduate School of Agricultural & Life Sciences, The University of Tokyo, Japan)	Characteristics of Nanobubbles (Ultrafine bubbles) and their application to agriculture including ISO standardization activities
11:00 - 11:45	Plenary (PL-3)	-	Takahiro TATEISHI (Iwate University, Japan)	Innovative technologies for agriculture and fishery
11:45 - 13:00	Lunch (meeting)			
13:00 - 13:45	Plenary (PL-4)	17-24	Takayuki OSHIMA (Gunma University, Japan)	Application of high-voltage pulse on food industry
13:45 - 14:15	Invited (I-1)	39 - 40	Choncharoen SAWANGRAT (Chiang Mai University, Japan)	Plasma Application to agriculture products for food safety in Thailand
14:15 - 14:45	Invited (I-2)	41 - 42	Kazuyuki KUCHITSU (Tokyo University of Science, Japan)	ROS-Mediated Regulation of Development and Stress Responses in Plants: Towards the Control of Growth and Quality of Crops by Plasma and Ultrafine/Nano Bubble Technology
14:45 - 15:00	Coffee Break			
15:00 - 15:15	Oral (O-1)	51 - 52	Chiti SRITONTIP (Rajamagala University of Technology Lanna, Thailand)	Stimulation of physiological development of plants by high voltage plasma and fine bubbles
15:15 - 15:30	Oral (O-2)	53 - 54	Rattapanorn NORARAT (Rajamagala University of Technology Lanna, Thailand)	Effects of high voltage stimulation and oxygen rich FB (micro/nano) bubble water on cultivated Shiitake mushrooms in Thailand
15:30 - 15:45	Oral (O-3)	55 - 56	Wassana WATTANUTCHARIYA (Chiang Mai University, Thailand)	Effect of Non-thermal plasma on chitosan-based hemostatic agent
15:45 - 16:00	Oral (O-4)	57 - 58	Chanchai DECHTHUMMARONG (Rajamagala University of Technology Lanna, Thailand)	Effects of positive corona discharge plasma in air for germinating of water convolvulus seeds
16:00 - 16:15	Oral (O-5)	59 - 60	Yanan LIU (Donghua University, China)	Aniline removal in water by non-thermal plasma combined with microbubbles
16:15 - 16:30	Coffee Break			
16:30 - 17:30	Poster Session	(Presentation are scored by core members to choose Best Poster Awards)		
18:00 - 20:00	Taxi Banquet	Heading for the banquet Hotel Metropolitan Morioka		
Time / Date	11th, May (Fri)			Room: Ginga Hall (and Poster Hall)
	Agenda		Speaker	Presentation Title
8:30 - 9:00	Registration			
9:00 - 9:45	Plenary (PL-5)	25 - 34	Kiyoshi YOSHIKAWA (Rajamangara University of Technology Lanna, Thailand)	Impact of High-voltage, Plasma and Fine bubble Technologies to Agriculture, Aquaculture and Food Safety in Thailand
9:45 - 10:15	Invited (I-3)	43 - 44	Douyan WANG (Kumamoto University, Japan)	Pulsed power applications for marine industry
10:15 - 10:30	Coffee Break			
10:30 - 10:45	Oral (O-6)	61 - 62	Rungrawee THONGDON-A (Rajamagala University of Technology Lanna, Thailand)	Effects of oxygen ultra-fine water on the recovery process of Tilapia fry transportation at high stocking density and long distance
10:45 - 11:00	Oral (O-7)	63 - 64	Boontarika THONGDONPHUM (Rajamagala University of Technology Thanyaburi, Thailand)	Effects of oxygen-free water on preservation of Theradfin bream (Nemipterus hexodon) & Kuruma prawn (Penaeus japonicus)
11:00 - 11:15	Oral (O-8)	65 - 66	Karuna JAINONTEE (Rajamagala University of Technology Lanna, Thailand)	Preliminary study of the effects of air-fine (micro/nano) bubbles (FB) on the growth rate of Tilapia fishes in Phan district, Chiang Rai, Thailand
11:15 - 11:30	Oral (O-9)	67 - 68	Sakuntala SAJJAI (Rajamagala University of Technology Lanna, Thailand)	Sterilization effects of ozone fine (micro/nano) bubble water
11:30 - 11:45	Oral (O-10)	69 - 71	Chinanat WITTHAYAPRAPAKORN (Rajamagala University of Technology Lanna, Thailand)	Inhibition of Escherichia coli on Banana peel by ozone micro/nano bubbles water
11:45 - 12:00	Oral (O-11)	73 - 74	Riho SEKIMIZU (Keio University, Japan)	Promotion of barley germination for german beer brewing with ultrafine bubble water
12:00 - 13:00	Lunch (meeting)			
13:00 - 13:45	Plenary (PL-6)	35 - 37	Takashi HATA (National Institute of Technology, Kochi, Japan)	Development of new agriculture and aquaculture technology using micro/nano bubbles (fine bubble)
13:45 - 14:15	Invited (I-4)	45 - 46	Takehiko SATO (Tohoku University, Japan)	Formation process of fine bubbles by plasma in water
14:15 - 14:30	Oral (O-12)	75 - 76	Vishnu THONGLEK (Rajamagala University of Technology Lanna, Thailand)	Identification of high concentration ultra-fine bubbles in the water
14:30 - 14:45	Oral (O-13)	77 - 78	Shoichiro HAMAMOTO (Tokyo University, Japan)	Effects of Solution Chemistry on Nanobubble Transport in Porous Media
14:45 - 15:00	Coffee Break			
15:00 - 15:15	Oral (O-14)	79 - 80	Yoshikatsu UEDA (Kyoto University, Japan)	Characteristics for long life of fine bubble water generated by "CellAqua SS01"
15:15 - 15:30	Oral (O-15)	81 - 82	Naoto NIHEI (Tokyo University, Japan)	Ion absorption efficiency of young plants via nano bubble water
15:30 - 15:45	Oral (O-16)	83 - 84	Serina ENDO (Chiba Institute of Technology, Japan)	The Study of the Effect and Mechanism of Oxygen Nano Bubble Water
15:45 - 16:00	Oral (O-17)	85 - 86	Ni-orn CHOMSRI (Rajamagala University of Technology Lanna, Thailand)	Evaluating impact of medium broth containing micro and nanobubbles to support yeast growth: Opportunities and challenges
16:00 - 16:15	Oral (O-18)	87 - 88	Weraporn PIVSA-ART (Rajamagala University of Technology Thanyaburi, Thailand)	Emulsion Polymerization of Acrylonitrile Monomer Using Potassium Persulfate Initiator in Micro/Nanobubble Water
16:15 - 16:30	Coffee Break			
16:30 - 16:45	Invited (I-5)	47- 48	Pan LI (Tongji University, China)	Ozonation of phthalate esters using micro- and nano-bubbles
16:45 - 17:00	Oral (O-19)	89 - 90	Napaporn DEESANAM (Rajamagala University of Technology Lanna, Thailand)	Effect of Fermentation Temperatures on Quality of Nham Made from Raw Materials Treated with Plasma
17:00 - 17:15	Oral (O-20)	91 - 92	Xinyu LIAO (Zhejiang University, China)	Application of Atmospheric Cold Plasma-activated Water (PAW) Ice for Preservation of Shrimps (Metaeanaeusensis)
17:15 - 17:30	Oral (O-21)	93 - 94	Chanchai DECHTHUMMARONG (Rajamagala University of Technology Lanna, Thailand)	Characterizations of electrical discharge plasma in air micro/nano-bubbles water mixture
17:30 - 17:45	Closing Ceremony			

Time / Date	10th, May (Thurs)			Room: Lecture Hall 107, Second Educational Building (1F)
16:20 - 17:50 12:30 - 14:00	Short Oral Poster Session		Speaker	Presentation Title
PE-01	Tohoku University	95 - 96	Akira SATO	Numerical Analysis on Charge Transfer and Potential Change in Water after Single Pulsed Discharge to the Water Surface
PE-02	University of Agronomic Sciences and Veterinary Medicine of Bucharest, Romania	97 - 98	Mihai GIDEA	Evaluation the cold plasma treatment over the wheat seeds
PE-03	Kanazawa University	99 - 100	Naw Rutha PAW	Fundamental Properties of Dielectric Barrier Discharge Generated by Rotational Electrode using Silicon Diodes for Alternating Current
PE-04	Iwate University	101 - 102	Kai MIYAMOTO	Effect of high voltage pulse application on Shiitake (Lentinus edodes) mushroom logs using two types of power sources.
PE-05	Iwate University	103 - 104	Rikuya OIKAWA	Development of Corona Plasma System for Inactivation of Pathogen in Hydroponic Cultivation Medium of Tomato
PE-06	Iwate University	105 - 106	Akihito OKA	Influence of Relative Humidity on Ethylene Removal Using Dielectric Barrier Discharge
PE-07	Yamagata University	107 - 108	Takeru KONISHI	Oxidation treatment of simulated soil contaminated with bacteria by pulsed discharges
PE-08	Iwate University	109 - 110	Takahiro YAMADA	Extraction of catechin from green tea leaves by pulsed electric field
PE-09	Iwate University	111 - 112	Yusheng HUI	Inactivation of bacteria on vegetables using discharge plasma in water
PE-10	Iwate University	113 - 114	Shunsei KAWAMURA	Development of pulse power Generator's Controller System
PE-11	Iwate University	115 - 116	Daiki SUGAWARA	Influence of change in Conductivity on High Repetitive Discharges in water
PE-12	Iwate University	117 - 118	Mikimasa SUGAWARA	Energy Characteristics of Discharge in water using Capacitor Discharge in 3 kV or less
PE-13	Iwate University	119 - 120	Hisanori SONE	Sterilization using Discharge in water with Changing Conductivity
PE-14	Rajamangara University of Technology Lanna	51 - 52	Chiti SRITONTIP	Stimulation of physiological development as affected by high voltage plasma and micro/nano bubbles
PE-15	Rajamangara University of Technology Lanna	53 - 54	Rattanaporn NORARAT	Effects of high voltage stimulation and oxygen rich micro/nano bubble water on cultivated shiitake mushrooms in Thailand
PE-16	Rajamangara University of Technology Lanna	57 - 58	Chanchai DECHTHUMMARONG	Effects of positive corona discharge plasma in air for germinating of water convolvulus seeds
PE-17	Rajamangara University of Technology Lanna	61 - 62	Rungrawee THONGDON-A	Effects of oxygen ultra-fine water on the recovery process of Tilapia fry transportation at high stocking density and long distance
PE-18	Rajamangara University of Technology Thanyaburi	63 - 64	Boontarika THONGDONPHUM	Effects of oxygen-free water on preservation of Theradfin bream(Nemipterus hexodon) & Kuruma prawn (Penaeus japonicus)
PE-19	Rajamangara University of Technology Lanna	65 - 66	Karuna JAINONTEE	Preliminary study of the effects of air micro/nano bubbles on the growth rate of Tilapia fishes in Phan district, Chiang Rai, Thailand
PE-20	Rajamangara University of Technology Lanna	67 - 68	Sakuntala SAIJAI	Sterilization effects of ozone micro/nano bubble water
PE-21	Rajamangara University of Technology Lanna	69 - 70	Chinanat WITTHAYAPRAPAKORN	Inhibition of Escherichia coli on Banana peel by ozone micro/nano bubbles water
PE-22	Rajamangara University of Technology Lanna	73 - 74	Vishnu THONGLEK	Identification of high concentration ultra-fine bubbles in water
PE-23	Rajamangara University of Technology Lanna	83 - 84	Ni-orn CHOMSRI	Evaluating impact of medium broth containing micro and nanobubbles to support yeast growth: Opportunities and challenges
PE-24	Rajamangara University of Technology Thanyaburi	85 - 86	Weraporn PIVSA-ART	Emulsion Polymerization of Acrylonitrile Monomer Using Potassium Persulfate Initiator in Micro/Nanobubble Water
PE-25	Rajamangara University of Technology Lanna	87 - 88	Napaporn DEESANAM	Effect of Fermentation Temperatures on Quality of Nham Made from Raw Materials Treated with Plasma