

19th July, 2017

9:00	-	9:40	Opening Ceremony	<Chair> Prof. Tsuyoshi Yoshimura
9:00	-	9:05	Prof. Takashi Watanabe, Director of RISH, Kyoto University	
9:05	-	9:10	Prof. Sulaeman Yusuf, Head of Research Center for Biomaterials - LIPI	
9:10	-	9:25	Intoroduction to Asia Research Node (ARN)	
9:25	-	9:40	Photo Session	
9:40	-	10:30	Short Poster Presentation - Elevator Speech I (P01-P27)	
[Session 1]				
10:30	-	12:30	Producing Biomass Energy and Material through Revegetation of Alang-alang Fields	<Chair> Prof. Toshiaki Umezawa
Time		Title	Co-author(s)	
-	S1-1 (Keynote)	Plant diversity in <i>Imperata cylindrica</i> fields: case study in Cibinong, Katingan and Kupang Regencies of Indonesia	Didi Usmadi, <u>Didik Widyatmoko*</u> , Joko R. Witono, Danang W. Purnomo, Iyan Robiansyah, Mahat Magandhi, Hendra Helmanto, Reza R. Rivai, and	
-	S1-2 (invited)	The importance of soil microorganism for revegetation of degraded land	<u>I Made Sudiana*</u> , and Atit Kanti (*Research Center for Biology, Indonesian Institute of Sciences, Indonesia)	
-	S1-3 (invited)	Revegetation of degraded grassland with sorghum plants by applying anorganic and organic fertilization	<u>Renj Lestari*</u> , Kartika N. Tyas, Mahat Magandhi, Didi Usmadi, Arief N. Rachmadyanto, Reza R. Rivai, Hendra Helmanto, Rizmoon N. Zulkarnaen,	
-	S1-4 (invited)	Properties of particleboard from alang-alang grass and natural adhesives	<u>Subyakto*</u> , Firda Aulya Syamani, Kurnia Wiji Prasetyo, Lilik Astari, and Eko Widodo (*Research Center for Biomaterials, Indonesian	
-	S1-5 (invited)	Metabarcoding analysis of soil microorganisms as a novel tool for soil environmental diagnosis and improvement	<u>Shigeru Hanano*</u> , I Nyoman Sumerta, Masaru Kobayashi, Hideki Hirakawa, Nozomu Sakurai and Daisuke Shibata	
12:30	-	13:30	Lunch	
[Session 2]				
13:30	-	15:30	Wood Biomass Conversion - Green Chemistry and Biological Processes	<Chair> Dr. Hiroshi Nishimura
Time		Title	Co-author(s)	
-	S2-1 (Keynote)	Transfer research results into green products and materials (keynote)	<u>Gunnar Westman*</u> (*Chalmers university of technology, Sweden)	
-	S2-2 (invited)	Potentiality and limit of rice husk utilizing as a renewable substrate for production of biofuel and biorefinery	<u>Chartchai Khanongnuch*</u> , Woottichai Nachaiweing, and Takashi Watanabe (*Chiang Mai University, Thailand)	
-	S2-3 (invited)	Identification of β -1 structure existing as spirodienone unit in lignin	<u>Takuya Akiyama*</u> , Tomoya Yokoyama and Yuji Matsumoto (*The University of Tokyo, Japan)	
-	S2-4 (invited)	Protection group chemistry enables the high yield production of lignin-derived monomers during integrated biomass depolymerization	<u>Jeremy Luterbacher*</u> , coworkers and collaborators. (* Institute of Chemical Sciences and Engineering, École Polytechnique Fédérale de Lausanne (EPFL), Switzerland)	
-	S2-5 (invited)	Designing of synergistic enzyme systems for biomass saccharification	Benjarat Bunternngsook, Pattanop Kanokratana, Satoshi Oshiro, Takashi Watanabe, <u>Verawat Champreda*</u> (*National Center for Genetic Engineering and	
15:30	-	16:00	Coffee Break	
[Session 3]				
16:00	-	18:00	Green Wood Technology	<Chair> Dr. Kenji Umemura, Dr. Kentaro Abe
Time		Title	Co-author(s)	
-	S3-1 (Keynote)	Trend in research and practice of timber utilization as building material in China	<u>Zeli Que*</u> , Zherui Li, and Xiaolan Zhang (*Nanjing Forestry University, China)	
-	S3-2 (invited)	Properties of green composite made from Indonesian agricultural waste	<u>Yuliati Indrayani*</u> , Kenji Umemura, and Tsuyoshi Yoshimura (*Faculty of Forestry, Tanjungpura University,	
-	S3-3 (invited)	Green nanomaterials for new applications	<u>Md. Iftekhar Shams*</u> , Sourav Bagchi Ratul, and Hiroyuki Yano (*Forestry and Wood Technology Discipline,	
-	S3-4 (invited)	Recent research activity for timber structure in Japan	<u>Takuro Mori*</u> (*Graduate School of Engineering, Hiroshima University, Japan)	
18:10	-	20:00	Poster Session & Welcome Mixer	

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9:00 - 9:50 Short Poster Presentation - Elevator Speech II (P28-P53)			
[Session 4]			
9:50 - 11:50 Research Advances on Invasive Species Management			
<Chair> Dr. Chin-Cheng Yang			
Time		Title	Co-author(s)
-	S4-1 (Keynote)	Genetic changes associated with fire ant invasions	DeWayne Shoemaker*, Eyal Privman, and Chin-Cheng Yang (*Department of Entomology and Plant Pathology,
-	S4-2 (invited)	Struggle with invasive alien species in Japan	Kouichi Goka* (*Center for Environmental Biology and Ecosystem Studies, National Institute for Environmental
-	S4-3 (invited)	Long-term research on the dynamics of the invasive Argentine ants and native ants in Hiroshima, western Japan	Fuminori Ito* (*Faculty of Agriculture, Kagawa University, Japan)
-	S4-4 (invited)	Monitoring the human-mediated spread of alien ant species through global data synthesis and local sampling networks in Okinawa	Evan Economo*, Benoit Guénard, and Masashi Yoshimura (*Okinawa Institute of Science and Technology
-	S4-5 (invited)	Does land use and habitat complexity affect resistance to biological invasion in tropical agroecosystem?	Damayanti Buchori* (*Department of Plant Protection, Bogor Agricultural University, Indonesia)
-	S4-6 (invited)	The global resurgence of bed bugs with special reference to Asia	Chow-Yang Lee*, Motokazu Hirao, Changlu Wang, and Yijuan Xu (*Universiti Sains Malaysia, Penang, Malaysia)
-	S4-7 (invited)	The development and application of unmanned aerial vehicle (UAV) in the monitoring and control techniques of RIFA (red imported fire ant)	Chung-Chi Lin* (*Department of Biology, National Changhua University of Education, Changhua, Taiwan; National Red Imported Fire Ant Control Center,
11:50 - 12:50 Lunch			
[Session 5]			
12:50 - 14:50 Research Alliance on Water-logged Wood in East and South-East Asia			
<Chair> Prof. Junji Sugiyama, Yohsei Kohdzuma			
Time		Title	Co-author(s)
-	S5-1 (Keynote)	The analysis and conservation of waterlogged archeological wooden artifacts in Korea	Lee Kwang-Hee* and Kim Su-Chul (*Department of Conservation Science, Korea National University of Cultural Heritage, Korea)
-	S5-2 (invited)	Preservation of significant component of Punjulharjo ancient boat and excavated charred wood in Indonesia	Nahar Cahyandaru* (*Borobudur Conservation Office, Ministry of Education and Culture, Republic of Indonesia)
-	S5-3 (invited)	Temporary storage of waterlogged wood excavated from archaeological sites	Kazutaka Matsuda* (*Nara National Research Institute for Cultural Properties, Japan)
-	S5-4 (invited)	Outline of conservation method with using of Trehalose for archaeological waterlogged wood. - Technique, Effect & Potentiality -	Kouji Ito*, and Akiko Miyake** (*Osaka City Cultural Properties Association, Japan, **Hayashibara co.,Ltd, Japan)
-	S5-5 (invited)	Networking of conservation of waterlogged wooden cultural heritages in south-east Asia	Yohsei Kohdzuma* (*Nara National Research Institute for Cultural Properties, Japan)
14:50 - 15:20 Coffee Break			
[Session 6]			
15:20 - 17:20 Remote Sensing of Tropical Forests from Space			
<Chair> Prof. Yoshiharu Omura			
Time		Title	Co-author(s)
-	S6-1 (Keynote)	Earth observation by fully polarimetric radar	Yoshio Yamaguchi* (*Niigata University, Japan)
-	S6-2 (invited)	Forest bio-physical parameter estimation using PolInSAR data	Gulab Singh* (CSRE, IIT Bombay, India)
-	S6-3 (invited)	Sustainable forest management based on experience in PT. Musi Hutan Persada, South Sumatera, Indonesia	Rachmat Wahyono* (*PT. Musi Hutan Persada, South Sumatera, Indonesia)
-	S6-4 (invited)	Vegetation structure influences on bird diversity: linking remote sensing and biodiversity monitoring	Motoko S. Fujita*, Tsuyoshi Yoshimura, Yoshiharu Omura, and Shoko Kobayashi (*CSEAS, Kyoto University, Japan)

-	S6-5 (invited)	Retrieval of vegetation structure in Indonesian plantation forests from microwave satellite remote sensing data	Shoko Kobayashi*, Yoshiharu Omura, and Motoko S. Fujita (*College of Agriculture, Tamagawa University,
17:30 - 18:30 Poster Session			
18:30 - 20:00 Banquet (&Poster Session)			

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[Session 7]			
9:00 - 11:00 Equatorial Fountain - Study of Atmosphere, Motion and Materials -			
<Chair> Prof. Mamoru Yamamoto			
Time		Title	Co-author(s)
-	S7-1 (Keynote)	Stratospheric transport processes described by atmospheric tracers	Fumio Hasebe* (*Faculty of Environmental Earth Science, Hokkaido University, Japan)
-	S7-2 (invited)	Strateole 2: a long-duration balloon campaign to study wave and transport in the equatorial UTLS	Albert Hertzog*, Richard Wilson, and Riwal Plougonven (*LMD, Palaiseau, France)
-	S7-3 (invited)	Significance of the EAR for atmospheric and space research and education activity in Indonesia	Afif Budiyo*, Halimurrahman, Clara Yono Yatini, Syafrizon, and Mamoru Yamamoto (*National Institute of Aeronautics and Space of
-	S7-4 (invited)	Impacts of tropical peat fires on environment	Masayuki Itoh*, Osamu Kozan*, Mikinori Kuwata, and Masahiro Kawasaki (*CSEAS, Kyoto, University, Japan)
-	S7-5 (invited)	Origin, growth and dynamics of Equatorial Plasma Bubbles (EPBs) observed from Equatorial Atmospheric Radar (EAR)	Sudarsanam Tulasiram*, K. K. Ajith, Mamoru Yamamoto, and Tatsuhiro Yokoyama (*Indian Institute of Geomagnetism, Mumbai,
11:00 - 11:10 Closing Remarks			
<Chair> Prof. Tsuyoshi Yoshimura			
11:00	-	11:05	Dr. Afif Budiyo, Deputy Chairman of National Institute of Aeronautics and Space of Indonesia (LAPAN)
11:05	-	11:10	Prof. Kazufumi Yazaki, RISH, Kyoto University
11:30 - 18:30 Excursion (Byodo-in temple, MU Radar)			