

Day 1: Monday 27 February 2017						
Morning Session						
Opening Ceremony, Keynote and Plenary Lectures						
Bhiraj Hall 2						
09.00 - 09.20	Her Royal Highness Princess Maha Chakri Sirindhorn arrives to the event and graciously presides over the opening ceremony and listens to the Keynote speaker 1					
09.20 - 10.00	<b>Keynote speaker 1</b> <b>Linkage between sustainable agricultural technologies and the bioeconomy</b> By <b>Dr. John Manners</b> Commonwealth Scientific and Industrial Research Organisation (CSIRO), Australia					
10.00 - 12.00	Her Royal Highness Princess Maha Chakri Sirindhorn visits the exhibition of AGBIO2017 (in parallel with the lectures from plenary speaker)					
10.00 - 10.30	Coffee Break					
10.30 - 11.00	<b>Plenary speaker 1</b> <b>Integrated agricultural production systems for a sustainable bioeconomy</b> By <b>Prof. Dr. Ulrich Schurr</b> Forschungszentrum Jülich, Germany					
11.00 - 11.30	<b>Plenary speaker 2</b> <b>Proximal and remote sensing for precision agriculture</b> By <b>Dr. Victor Alchanatis</b> Institute of Agricultural Engineering - the Volcani Center, Israel					
11.30 - 12.30	Lunch					
12.30 - 13.30	Poster presentation and exhibition					
Afternoon Session (Parallel Sessions AG1 - AG7)						
Session AG1 - AG3						
Session AG1: Seed technology (Trade& Market/ Germplasm/ Breeding technology)		Session AG2: Sustainable agriculture (Sensor & resource use efficiency)		Session AG3: Bioeconomy (Biorefinery products, Chemicals and Biomaterials)		Session AG4-7
Nile 1		Nile 2		Nile 3		
13.30 - 14.00	<b>Plenary Speaker 3</b> <b>Increasing genetic diversity in public and private sector maize breeding worldwide</b> By <b>Dr. Walter Trevisan</b> GEM (Germplasm Enhancement of Maize) TSG Chair, USA	13.30 - 14.00	<b>Plenary Speaker 5</b> <b>Crop sensing and phenotyping for precision agriculture</b> By <b>Dr. Corné Kempenaar</b> Wageningen University & Research, the Netherlands	13.30 - 14.00	<b>Biorefining - The future of the sugarcane industry</b> By <b>Prof. Ian O'Hara</b> Queensland University of Technology, Australia	See program on page 4-5
14.00 - 14.30	<b>Plenary Speaker 4</b> <b>Ancestral QTL Alleles from wild emmer wheat improve drought resistance and productivity of modern wheat</b> By <b>Assoc. Prof. Dr. Yehoshua Saranga</b> Hebrew University of Jerusalem, Israel	14.00 - 14.30	<b>Irrigation and fertigation for cassava and sugarcane production</b> By <b>Assoc. Prof. Dr. Sodchol Wonprasaïd</b> Suranaree University of Technology, Thailand	14.00 - 14.30	<b>Catalytic conversion of sugars to commodity chemicals</b> By <b>Dr. Kajornsak Faungnawakij</b> National Nanotechnology Center, Thailand	

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Nile 1		Nile 2		Nile 3		
14.30 - 15.00	<b>Seed market and trend</b> By <b>Mr. Raman Sehgal</b> Misr Hytech Seed International, Egypt	14.30 - 15.00	<b>Water management for dripping system</b> By <b>Dr. Amporn Poyai</b> National Electronics and Computer Technology Center, Thailand	14.30 - 15.00	<b>Plant fibers for advanced and eco textile industry</b> By <b>Dr. Roberto Steffenino</b> Freelance production consultant for textile companies, Italy	See program on page 4-5
15.00 - 15.30	Coffee break	15.00 - 15.30	Coffee break	15.00 - 15.30	Coffee break	
15.30 - 16.00	<b>Mapping of QTLs conferring to anthracnose resistance in chili pepper by SNP markers</b> By <b>Dr. Darush Struss</b> East-West Seed International Limited, Thailand	15.30 - 16.00	<b>Alternate wetting and drying for paddy field</b> By <b>Dr. Watchara Suiadee</b> Royal Irrigation Department, Thailand	15.30 - 16.00	<b>Key role of enzymes for the production of pineapple leaf fibers (PALF)</b> By <b>Dr. Riccardo Carletto</b> Istituto per lo Studio delle Macromolecole (ISMAL), Italy	
16.00 - 16.30	<b>Unraveling the complexity of <i>Colletotrichum</i> species causing anthracnose in chili in Australia and SE Asia</b> By <b>Prof. Paul WJ. Taylor</b> The University of Melbourne, Australia	16.00 - 16.20	<b>Oral presentation 1</b> <b>The large epidermal papillae on stomata as a new factor of bacterial disease resistance in rice (<i>Oryza sativa</i>)</b> By <b>M.Sc. Mutiara K. Pitaloka</b> Kasetsart University, Thailand	16.00 - 16.30	<b>Application of lignin in biorefinery</b> By <b>Prof. Navadol Laosiripojana</b> King Mongkut's University of Technology Thonburi, Thailand	
16.30 - 17.00	<b>Breeding trends of bitter gourd in China</b> By <b>Dr. Rukui Huang</b> Guangxi Academy of Agricultural Sciences (GXAAS), P.R. China	16.20 - 16.40	<b>Oral presentation 2</b> <b>Expression levels of <i>ShNHX1</i> and physiological changes of sugarcane cvs. K92-80 (salt susceptible) and K88-92 (salt tolerance) under salt stress</b> By <b>Dr. Cattarin Theerawitaya</b> National Center for Genetic Engineering and Biotechnology, Thailand	16.30 - 17.00	<b>Starch materials for resorbable medical devices, application for a shape memory stent</b> By <b>Prof. Denis Lourdin</b> French National Institute for Agricultural Research (INRA, Nantes), France	

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Session AG1: Seed technology (Trade& Market/ Germplasm/ Breeding technology)		Session AG2: Sustainable agriculture (Sensor & resource use efficiency)		Session AG3: Bioeconomy (Biorefinery products, Chemicals and Biomaterials)		Session AG4-7
Nile 1		Nile 2		Nile 3		
17.00 - 17.20	<b>Oral presentation 1</b> Effects of storage conditions on viability and vigor of red clover ( <i>Trifolium pratense</i> L.) seed By <b>Dr. Duangporn Angsumalee</b> Ministry of Agricultural and Cooperatives, Thailand	16.40 - 17.00	<b>Oral presentation 3</b> Seedlings of KDML 105 ( <i>Oryza sativa</i> L. 'Khao Dawk Mali 105') mutants showed tolerant growth to salt stress and low nitrogen conditions By <b>Mrs. Pennapa Banyen</b> Mahidol University, Thailand			See program on page 4-5
		17.00 - 17.20	<b>Oral presentation 4</b> Regulation on anthocyanin accumulation in Homnil rice ( <i>Oryza sativa</i> L. spp. <i>indica</i> ) grain grown under low temperature with magnesium foliar By <b>Dr. Rujira Tisarum</b> National Center for Genetic Engineering and Biotechnology, Thailand			
		17.20 - 17.40	<b>Oral presentation 5</b> Enrichment of anthocyanin and calcium in two varieties of water pinach ( <i>Ipomsea aquatica</i> ) under mildNaCl salt elicitor By <b>Ms. Mizuki Kitayama</b> Chiba University, Japan and National Center for Genetic Engineering and Biotechnology, Thailand			
17.40 onwards	Welcome reception	17.40 onwards	Welcome reception	17.30 onwards	Welcome reception	

## Day 1: Monday 27 February 2017

## Afternoon Session (Parallel Sessions AG1 - AG7)

## Session AG4 - AG5

Session AG1-3	Session AG4: IT for agriculture		Session AG5: Sufficiency Economy Philosophy (SEP) and Sustainable Agriculture		Session AG6-7
	Nile 4		Amber 1		
See program on page 1-3	13.30 - 14.00	<b>Big data in agriculture</b> By <b>Dr. Donghui Ma</b> Biosci (Thailand) Co., Ltd., Thailand	13.30 - 13.45	<b>Introduction to special scientific program</b> Chair <b>Assoc. Prof. Somporn Isvilanonda</b> Knowledge Network Institute of Thailand (KNIT), Thailand Co-chair <b>Dr. Onanong Tapanapunnitikul</b> Kasetsart University, Thailand	See program on page 5
	14.00 - 14.30	<b>IT for agriculture</b> By <b>Dr. Sarun Sumriddetchkajorn</b> National Electronics and Computer Technology Center, Thailand	13.45 - 14.30	<b>Technologies and pathways to sustainable agriculture</b> By <b>Prof. Dr. Jiaguo Qi</b> Michigan State University, USA	
	14.30 - 15.00	<b>Big data and ITs for smart farming</b> By <b>Assoc. Prof. Tiranee Achalakul</b> King Mongkut's University of Technology Thonburi, Thailand	14.30 - 15.00	<b>Sufficiency Economy Philosophy: Thailand's contribution to sustainable agriculture and Sustainable Development Goals (SDGs)</b> By <b>Dr. Malee Suwana-adth</b> SVITA Foundation, Thailand	
	15.00 - 15.30	Coffee break	15.00 - 15.30	Coffee break	
	15.30 - 16.00	<b>Genstat a statistical package for modern agricultural research</b> By <b>Dr. Donghui Ma</b> <b>Napha Sudachom</b>		Chair <b>Asst. Prof. Dr. Warapa Mahakarnchanakul</b> Kasetsart University, Thailand Co-chair <b>Assoc. Prof. Dr. Le Van An</b> Hue University of Agriculture and Forestry, Vietnam	
	16.00 - 16.30	<b>ASReml: a statistical package for linear mixed models</b> By <b>Dr. Donghui Ma</b> <b>Jin Sun</b>	15.30 - 16.00	<b>Mekong's fish biodiversity conservation: A transboundary initiative toward sustainable food production for GMS</b> By <b>Mr. Soutchai Khamphouxay</b> WWF- Project Manager, Lao PDR	
	16.30 - 17.00	<b>Breeding Management System: Management and analysis of data for crop breeding</b> By <b>Clarissa Pimentel</b> <b>Kanchana Punyawaew</b>	16.00 - 16.30	<b>Participatory research on genetic improvement of local rice varieties to mitigate impacts of climate change</b> By <b>Dr. Watchareewan Jamboonsri</b> National Center for Genetic Engineering and Biotechnology, Thailand <b>Dr. Kanyanat Sirithunya</b> Rajamangala University of Technology Lanna, Thailand <b>Dr. Phoudalay Latvilayvong</b> Thasano Rice Research and Seed Multiplication Center, Lao PDR	
	17.00 - 17.30	<b>Innovation and Microservice</b> By <b>Dr. Vivarad Phonekeo</b>	16.30 - 17.00	<b>Life cycle assessment for rice sustainability</b> By <b>Asst. Prof. Dr. Rattanawan Mungkung</b> Center of Excellence on Environmental Strategy for GREEN Business, Thailand <b>Sufficiency Economy Farming: Case Study of Thailand's Agriculture Sage Award 2016 for Sufficiency Economy (Mr. Khamphan Laowongsee)</b> By <b>Asst. Prof. Dr. Orawan Srisompan</b> Mahasarakham University, Thailand	
			17.00 - 17.30	<b>Social networking and consultation</b> Chair <b>Dr. Onanong Tapanapunnitikul</b> Kasetsart University, Thailand Co-chair <b>Dr. Bounheuang Ninchaleune</b> Savannakhet University, Lao PDR	
	17.30 onwards	Welcome reception	17.30 onwards	Welcome reception	

Day 1: Monday 27 February 2017					
Afternoon Session (Parallel Sessions AG1 - AG7)					
Session AG6: United Nations Industrial Development Organization (UNIDO) Session I			Session AG7: Starch Update2017 conference & target-oriented research on Thai cassava by TRON: Day 1		
Session AG1-5	Amber 3		Amber 2		
See program on page 1-4	13.30 - 13.45	Project overview and objectives By Mr. Supalerk Kanasook UNIDO, Thailand	13.30 - 14.00	Invited speaker Starch & Cassava 1: Starch in breadmaking: from wheat to wheat flour over dough to fresh and stored bread By Prof. Jan Delcour University of Leuven, Belgium	
	13.45 - 14.30	Overview on bioethanol feedstock and lessons learnt from Thailand By Assoc. Prof. Dr. Savitri Garivait King Mongkut's University of Technology Thonburi, Thailand	14.00 - 14.30	Invited speaker Starch & Cassava 2: Importance of locational digestion of starch and new strategies to obtain SDS By Prof. Bruce R. Hamaker Purdue University, USA	
	14.30 - 15.15	Trends in global and regional policy, production and utilization of bioethanol By Dr. Boonrod Sajjakulnukit King Mongkut's University of Technology Thonburi, Thailand	14.30 - 14.50	Oral presentation 1 Understanding starch swelling behavior and its impact on food texture By Dr. Rachel Wicklund Tate & Lyle, Singapore	
	15.15 - 15.45	Coffee break	14.50 - 15.10	Oral presentation 2 Starch pastes and gels stabilization By Prof. Marek Sikora University of Agriculture in Krakow, Poland	
	15.45 - 16.30	Overview on national policy on renewable energy and bioethanol use as transportation energy By Dr. Naticorn Prakobboon Department of Alternative Energy Development and Efficiency, Thailand	15.10 - 15.40	Coffee break	
			15.40 - 16.00	Oral presentation 3 Pasting and gel-textural properties of cassava-rice starch blends By Mr. Huy Thanh To Prince of Songkla University, Thailand	
	16.30 - 17.15	Overview on standards and regulations for transportation By Dr. Atthawit Techawiboonwong Mazda Sales (Thailand) Co., Ltd, Thailand	16.00 - 16.20	Oral presentation 4 Retrogradation process of waxy-starches gels without and with gum Arabic investigated by using <sup>1</sup> H NMR method By Assist. Prof. Hanna Maria Baranowska Poznan University of Life Sciences, Poland	
			16.20 - 16.40	Oral presentation 5 Texture studies of konjac jelly in Japan By Assist. Prof. Piyada Achayuthakan Suan Sunandha Rajabhat University, Thailand	
16.40 - 17.00			Oral presentation 6 Physico-chemical properties of riceberry grain during germination and its different localization pattern of amino acids By Mr. Boonyote Kamjijam Kasetsart University, Thailand		

Day 1: Monday 27 February 2017				
Afternoon Session (Parallel Sessions AG1 - AG7) Session AG6 - AG7				
Session AG1-5	Session AG6: United Nations Industrial Development Organization (UNIDO) Session I Amber 3		Session AG7: Starch Update2017 conference & target-oriented research on Thai cassava by TRON: Day 1 Amber 2	
	17.30 onwards	Welcome reception	17.00 - 17.20	Oral presentation 7 Starch digestibility index of wheat cookies with an addition of selected sweetening compounds By Dr. Barbara Borczak University of Agriculture in Krakow, Poland
			17.20 - 17.40	Oral presentation 8 Synbiotic property of the slow digestible colored rice flour as encapsulation wall material: a study on <i>in-vitro</i> gut microbiota using fluorescence <i>in situ</i> hybridization By Ms. Isara Wattananapakasem Kasetsart University, Thailand
			17.40 - 18.00	Oral presentation 9 Current plasma development and technology for starch and rice in Thailand By Assist. Prof. Somsak Dangtip Mahidol University, Thailand
			18.00 onwards	Welcome reception

Day 2: Tuesday 28 February 2017						
Morning Session Keynote and Plenary Lectures Bhiraj Hall 2						
09.00 - 09.40	<b>Keynote speaker 2</b> <b>Insights into breeding climate resilient crops</b> By Prof. Dr. Richard Visser Wageningen University & Research, the Netherlands					
09.40 - 10.10	<b>Plenary speaker 6</b> <b>Using the tools of population genetics to assess pollinator densities at landscape scales</b> By Prof. Dr. Benjamin P. Oldroyd University of Sydney, Australia					
10.10 - 10.40	<b>Plenary speaker 7</b> <b>The update of bioeconomy roadmap Public - Private Partnership</b> By Mr. Anon Sirisaengtaksin PTT Global Chemical Public Company Limited, Thailand					
10.40 - 11.00	Coffee break					
11.00 - 11.30	<b>Plenary speaker 8</b> <b>Unlocking the full potentials of the biomass -new technologies for cascading use of both biomass (terrestrial and marine) and industrial side streams</b> By Prof. Dr. Lene Lange Technical University of Denmark, Denmark					
11.30 - 12.00	<b>Plenary speaker 9</b> <b>BioBanks: Coupling material and data</b> By Dr. Philippe Desmeth World Federation for Culture Collections, Belgium					
12.00 - 13.00	Lunch					
13.00 - 13.30	Poster presentation and exhibition					
Afternoon Session (Parallel Sessions AG8 - AG12)						
Session AG8 - AG10						
Session AG8: B2B matchmaking (Seed/ Biocontrol/ Biofertilizer)		Session AG9: Pollinator I		Session AG10: Bioeconomy (Enzyme industry)		Session AG11-12
Nile 3		Nile 4		Amber 1		
13.30 - 14.00	<b>The Germplasm Enhancement of Maize (GEM) project: A Public-Private Partnership (PPP) to increase genetic diversity in US maize</b> By Dr. Matthew D. Krakowsky Department of Crop Science, USA	13.30 - 13.50	<b>Interface between managed and wild pollinators</b> By Prof. Dr. Christian W.W. Pirk University of Pretoria, South Africa	13.30 - 14.00	<b>Development of integrated sugarcane biorefineries with multidisciplinary technology</b> By Dr. Mark Harrison Queensland University of Technology, Australia	See program on page 8
14.00 - 14.30		<b>Germ plasm management of Thailand</b> By Assoc. Prof. Dr. Suchila Techawongstien Khonkaen University, Thailand		13.50 - 14.10		

Day 2: Tuesday 28 February 2017						
Session AG8: B2B matchmaking (Seed/ Biocontrol/ Biofertilizer)		Session AG9: Pollinator I		Session AG10: Bioeconomy (Enzyme industry)		Session AG11-12
Nile 3		Nile 4		Amber 1		
14.30 - 15.30	<b>Presentation from Company Representative (7mins/company)</b>  <b>Topic Seed</b> 1. East-West Seed Co.,Ltd. 2. Chia Tai Co.,Ltd. 3. Lucky Seeds Agro Part.,Ltd. 4. Rijk Zwaan Export B.V. 5. Sweet Seed Co.,Ltd. 6. Golconda Asia Co.,Ltd.	14.10 - 14.30	<b>Plotting the future: monitoring biodiversity and species interactions in the changing world</b> By <b>Dr. Akihiro Nakamura</b> Chinese Academy of Sciences, P.R. China	14.30 - 15.00	<b>Translating uncultured microbial resources to bioindustrial application</b> By <b>Dr. Kentaro Miyazaki</b> National Institute of Advanced Industrial Science and Technology-AIST, Japan	See program on page 8
15.30 - 16.00	Coffee break	14.30 - 14.50	<b>Oral presentation 1</b> <b>Assessing Apoidea diversity in Thailand: potential crop pollinators beyond Apis</b> By <b>Dr. Natapot Warrit</b> Chulalongkorn University, Thailand	15.00 - 15.30	Coffee break	
16.00 - 17.00	<b>Presentation from Company Representative (7mins/company)</b>  <b>Topic Biocontrol/ Biofertilizer</b> 1. Green Innovation Biotechnology Co., Ltd. (GIB)	14.50 - 15.20	Coffee break	15.30 - 16.00	<b>Bio-resources in Indonesia for bioprocess technology</b> By <b>Dr. Siswa Setyahadi</b> Agency for the Assessment and Application of Technology-BPPT, Indonesia	
17.00 - 17.30	Open floor for B2B matchmaking	15.20 - 15.40	<b>Oral presentation 2</b> <b>Bees in space: Using harmonic radar to track the movement patterns of honey bees and bumblebees</b> By <b>Dr. James Makinson</b> Queen Mary University of London, UK	16.00 - 16.30	<b>Cellulosome systems from anaerobic bacteria for biorefinery</b> By <b>Dr. Chakrit Tachaapaikoon</b> King Mongkut's University of Technology Thonburi, Thailand	
		15.40 - 16.00	<b>Oral presentation 3</b> <b>Classification of Asian honeybees behaviors, Apis cerana based on sound signals</b> By <b>Mr. Pongsathorn Phunduang</b> King Mongkut's University of Technology Thonburi, Thailand			
		16.00 - 17.30	<b>Workshop on sensory analysis of honey</b> By King Mongkut's University of Technology Thonburi, Thailand In collaboration with Assumption University, Thailand			



Day 2: Tuesday 28 February 2017					
Afternoon Session (Parallel Sessions AG8 - AG12)					
Session AG11 - AG12					
Session AG8-10	Session AG11: United Nations Industrial Development Organization (UNIDO) Session II			Session AG12: Starch Update2017 conference & target-oriented research on Thai cassava by TRON: Day 2	
	Amber 3			Amber 2	
See program on page 6-7	13.30 - 14.15	<b>Overview on bioethanol production</b> By <b>Dr. Verawat Champreda</b> National Center for Genetic Engineering and Biotechnology, Thailand		13.30 - 14.00	<b>Invited speaker Starch &amp; Cassava 3: Starch bioengineering for high-value, nutrition, food and bioplastics</b> By <b>Assoc. Prof. Andreas Blennow</b> University of Copenhagen, Denmark
	14.15 - 15.00	<b>Overview on waste management and value-added co-products from fuel ethanol production</b> By <b>Dr. Annop Nopharatana</b> King Mongkut's University of Technology Thonburi, Thailand		14.00 - 14.30	<b>Invited speaker Starch &amp; Cassava 4: Functional starches for technical uses</b> By <b>Dr. Waltraud Vorweg</b> Fraunhofer Institute for Applied Polymer Research, Germany
	15.00 - 15.30	Coffee break		14.30 - 14.50	<b>Oral presentation 10</b> <b>Social Life Cycle Assessment (S-LCA) of cassava-ethanol: Case study in Thailand</b> By <b>Dr. Chantima Rewlay-ngoem</b> Rajamangala University of Technology Phra Nakhon, Thailand
	15.30 - 17.30	<b>Lessons learnt from bioethanol industry in Thailand (Panel Session)</b> By <ol style="list-style-type: none"> <li><b>Dr. Naticorn Prakobboon</b> Department of Alternative Energy Development and Efficiency, Thailand</li> <li><b>Dr. Seksan Phrommanich</b> Mitr Phol Biofuel Co., Ltd., Thailand</li> <li><b>Dr. Manida Thongroon</b> National Metal and Materials Technology Center, Thailand</li> <li><b>Mr. Vichai Jirathiyut</b> Thailand Automotive Institute, Thailand</li> <li><b>Mrs. Thidarat Rodanant</b> Sanguan Wongse Industries Co., Ltd, Thailand</li> </ol> Moderator <b>Dr. Verawat Champreda</b> National Center for Genetic Engineering and Biotechnology, Thailand		14.50 - 15.10	<b>Oral presentation 11</b> <b>Effect of dry heat treatment with xanthan gum on pasting properties of different amylose rice starches</b> By <b>Mr. Jian Su</b> Kasetsart University, Thailand
				15.10 - 15.40	Coffee break
				15.40 - 16.00	<b>Oral presentation 12</b> <b>Comparative properties of stabilized, crosslinked waxy cassava and waxy corn starches</b> By <b>Dr. Sunee Chotineeranat</b> National Center for Genetic Engineering and Biotechnology, Thailand
				16.00 - 16.20	<b>Oral presentation 13</b> <b>Cassava starch hydrogel sheet for potential application as wound dressing</b> By <b>Dr. Kunruedee Sangseethong</b> National Center for Genetic Engineering and Biotechnology, Thailand

Day 2: Tuesday 28 February 2017			
Afternoon Session (Parallel Sessions AG8 - AG12)			
Session AG11 - AG12			
Session AG8-10	Session AG11: United Nations Industrial Development Organization (UNIDO) Session II		Session AG12: Starch Update2017 conference & target-oriented research on Thai cassava by TRON: Day 2
	Amber 3		Amber 2
			16.20 - 16.40 Oral presentation 14 Thermoplastic starch-based materials for disposable food service ware and packaging applications By Assoc. Prof. Dr. Rangrong Yoksan Kasetsart University, Thailand
			16.40 - 17.00 Oral presentation 15 Nanocrystalline starch particles: preparation and innovative application By Dr. Kittiwut Kasemwong National Nanotechnology Center, Thailand
			17.00 - 17.20 Oral presentation 16 Increase starch separation using hydrocyclone technology By Dr. Kanchana Saengchan King Mongkut's University of Technology Thonburi, Thailand
			17.20 - 17.40 Oral presentation 17 Cassava fibrous waste enzymatic hydrolysis and fermentation: A systematic monitoring and control by LabVIEW based interface By Mr. Kiran Kumar Gali Indian Institute of Technology Guwahati, India

Day 3: Wednesday 1 March 2017						
Morning Session Keynote and Plenary Lectures Bhiraj Hall 2						
09.00 - 09.40	<b>Keynote speaker 3</b> <b>Challenges facing pollinators and pollination as an ecosystem service</b> By Prof. Emeritus David Inouye University of Maryland, USA					
09.40 - 10.10	<b>Plenary speaker 10</b> <b>Application of plant phenotyping technologies for seed, leaf and root productivity traits</b> By Dr. Fabio Fiorani Forschungszentrum Jülich, Germany					
10.10 - 10.30	Coffee break					
10.30 - 11.00	<b>Plenary speaker 11</b> <b>Digital agriculture, big data and cognitive computing</b> By Dr. Robin Lougee IBM TJ Watson Research Center, USA					
11.00 - 11.30	<b>Plenary speaker 12</b> <b>Biodiplomacy is the key to utilize the modern plant biotechnology with the sustainable use of biodiversity</b> By Prof. Dr. Kazuo N. Watanabe University of Tsukuba, Japan					
11.30 - 12.30	Lunch					
12.30 - 13.30	Poster presentation and exhibition					
Afternoon Session (Parallel Sessions AG13 - AG18)						
Session AG13 - AG15						
Session AG13: Sustainable agriculture (Technology transfer/ Plant Diseases)		Session AG14: Sustainable agriculture (Organic farm/ Bioproduct/ Value-added)		Session AG15: B2B matchmaking (Planting materials/ Mechanization/ Equipment/ Processing/ Value-added products)		Session AG16-20
Silk 4		Nile 1		Nile 2		
13.30 - 14.00	<b>Sustainable agriculture and value-added creation through the development of Geographical Indications (GI)</b> By Mr. Stéphane Passeri Food and Agriculture Organization of the United Nations, FAO Regional Office for Asia and the Pacific, Thailand	13.30 - 14.00	<b>Biological control of plant pathogens using <i>Bacillus subtilis</i> and <i>Streptomyces lydicus</i></b> By Dr. Chou Ting Lin Yanten Biotechnology Co., Ltd, Taiwan	13.30 - 14.00	<b>Development of greenhouse technology for tropical climate</b> By Dr. Atitsa Petchsuk National Metal and Materials Technology Center, Thailand	See program on page 12-14
14.00 - 14.30	<b>Agricultural technology transfer and networking between China and ASEAN</b> By Ms. He Xiangrong China-ASEAN Technology Transfer Center, P.R. China	14.00 - 14.30	<b>Biological alternatives to security in sustainable agricultural</b> By D.V.M. Karsidete Teeranitayatar Green Innovative Biotechnology Co. Ltd., Thailand	14.00 - 15.00	<b>Presentation from company representative (7mins/company)</b> <b>Topic</b> Greenhouse technology/ Control system & planting materials 1. Speedy Access Co.,Ltd. 2. Ceres International Co., Ltd. 3. Eureka Agro Machinery Co., Ltd. 4. Design & Engineering Consulting Service Center, NSTDA 5. Agri Solutions Asia Co., Ltd.	

Day 3: Wednesday 1 March 2017						
Session AG13: Sustainable agriculture (Technology transfer/ Plant Diseases)		Session AG14: Sustainable agriculture (Organic farm/ Bioproduct/ Value-added)		Session AG15: B2B matchmaking (Planting materials/ Mechanization/ Equipment/ Processing/ Value-added products)		Session AG16-19
Silk 4		Nile 1		Nile 2		
14.30 - 15.00	Strengthening farmer's capability through FFS for sustainable rice production in the Mekong Delta of Vietnam By <b>Dr. Huynh Quang Tin</b> Cantho University, Vietnam	14.30 - 14.50	Oral presentation 1 <b>Wild edible mushrooms: sustainable production and consumption of local communities</b> By <b>Dr. Sayanh Somrithipol</b> National Center for Genetic Engineering and Biotechnology, Thailand	15.00 - 15.30	Coffee break	See program on page 12-14
15.00 - 15.30	Coffee break	14.50 - 15.20	Coffee break	15.30 - 16.30	<b>Presentation from company representative (7mins/company)</b>  <u>Topic</u> Mechanization & Equipment 1. Interagro Co., Ltd.  <u>Topic</u> Processing & Value-added products 1. Siam Miragro Co., Ltd. 2. Bangkok Lab & Cosmetic Co., Ltd. 3. U. CCN Int'l Co., Ltd.	
15.30 - 16.00	Capacity building and adaptation of precision agriculture to increase crop yield by transfer of concept from progressive to developing countries By <b>Assoc. Prof. Dr. Ganesh C. Bora</b> Mississippi State University, USA	15.20 - 15.40	Oral presentation 2 <b>Cooked retrograded parboiled germinated brown rice consumption suppresses colitis in dextran sodium sulfate-induced mice</b> By <b>Assoc. Prof. Siriporn Tuntipopipat</b> Mahidol University, Thailand			
16.00 - 16.20	Oral presentation 1 <b>Mobilizing forces of Nan's farmer groups in management of rice varieties for self-reliance production</b> By <b>Ms. Phimonphan Sakitram</b> Chiang Mai University, Thailand	15.40 - 16.00	Oral presentation 3 <b>The effectiveness of using the waste of shoots of sugar cane (<i>Saccharum officinarum</i>) by fermentation greenery technology as the woof for the beef cattle fattening</b> By <b>Mr. Muhammad Dzulfikri</b> Bogor Agricultural University, Indonesia	16.30 - 17.30	Open floor for B2B matchmaking	
16.20 - 16.40	Oral presentation 2 <b>Maximizing nitrogen fixation and yields in maize-soybean intercropping system in Western Kenya</b> By <b>M.Sc. Margarida Graciete Simbine</b> Tshwane University of Technology, South Africa					

Day 3: Wednesday 1 March 2017						
Session AG13: Sustainable agriculture (Technology transfer/ Plant Diseases)		Session AG14: Sustainable agriculture (Organic farm/ Bioproduct/ Value-added)		Session AG15: B2B matchmaking (Planting materials/ Mechanization/ Equipment/ Processing/ Value-added products)		Session AG16-20
Silk 4		Nile 1		Nile 2		
16.40 - 17.00	<b>Oral presentation 3</b> Auxin production by plant growth promoting rhizobacteria improved growth and yield of wheat ( <i>Triticum aestivum</i> L.) under drought stress By Dr. Basharat Ali University of the Punjab, Pakistan					See program on page 12-14
17.00 - 17.20	<b>Oral presentation 4</b> Comparison of soil microbial communities in the rhizosphere of naturally suppressive soil against Basal Stem Rot (BSR) disease By Ms. Delia Agustina PT Wilmar Benih Indonesia, Indonesia					
17.20 - 17.40	<b>Oral presentation 5</b> Probing mechanical stability of Bacteriophage for a biological control agent of <i>Ralstonia solanacearum</i> By Dr. Udom Sae-Ueng National Science and Technology Development Agency, Thailand					

Day 3: Wednesday 1 March 2017							
Session AG13-15	Session AG16: Sustainable agriculture (Seed regulation & Testing / Plant diseases/ Diagnostic technology)		Session AG17: Sustainable agriculture (Plant phenotyping)		Session AG18: Pollinator II		Session AG19-20
	Nile 3		Nile 4		Amber 1		
See program on page 9-11	13.30 - 14.00	<b>Progress on seed regulations: ASEAN aspect</b> By <b>Dr. Surmsuk Salakpetch</b> Department of Agriculture, Thailand	13.30 - 14.00	<b>Phenotyping of the 'hidden half' - opportunities and challenges to improve water and nutrient acquisition</b> By <b>Dr. Tobias Wojciechowski</b> Forschungszentrum Jülich, Germany	13.30 - 13.50	<b>Honey combs flower aromatic plants of the King Rama X</b> By <b>Prof. Dr. Siritwat Wongsiri</b> Maejo University, Thailand	See program on page 14
	14.00 - 14.30	<b>Myanmar law and regulations on seed trade (import and export) (To be confirmed)</b> By <b>Ms. Me Me Cho</b> Department of Agriculture (DOA), The Republic of the Union of Myanmar	14.00 - 14.20	<b>Oral presentation 1 'Root Ideotype' for sustainable rice production in Thailand</b> By <b>Dr. Phanchita Vejchasarn</b> Ubon Ratchathani Rice Research Center (URRC), Thailand	13.50 - 14.10	<b>Colony management on stationary beekeeping with Fusco Bee, <i>Tetragonula fuscobalteata</i> (Cameron)</b> By <b>Assoc. Prof. Dr. Somnuk Boongird</b> Ramkhamhaeng University, Thailand	
	14.30 - 15.00	<b>Viroids: risks for agricultural crops</b> By <b>Assoc. Prof. Dr. Kanungnit Reanwarakorn</b> Kasetsart University, Thailand	14.20 - 14.40	<b>Oral presentation 2 Transitioning of root traits from lab to field: maize and cassava studies</b> By <b>Dr. Patompong Saengwilai</b> Mahidol University, Thailand	14.10 - 14.30	<b>Colony multiplication and management of stingless bees to provide crop pollination services</b> By <b>Dr. Cristiano Menezes</b> Embrapa Amazônia Oriental, Brazil	
	15.00 - 15.30	Coffee break	14.40 - 15.00	<b>Oral presentation 3 Rice roots in a basket: phenotypic variation of root traits among KDML105, IR64 and Siew Mae Jan rice varieties</b> By <b>Mr. Sorathan Jaruwatee</b> Mahidol University, Thailand	14.30 - 15.00	Coffee break	
	15.30 - 16.00	<b>Update on plant virus diseases and detection technology in Thailand</b> By <b>Dr. Orawan Chatchawankanphanich</b> National Center for Genetic Engineering and Biotechnology, Thailand			15.00 - 15.20	<b>Oral presentation 1 Consumer behavior towards Thai honey</b> By <b>Dr. Aussama Soonrunnarudrungsri</b> Assumption University, Thailand	
	16.00 - 16.30	<b>Detection of plant diseases using array technology</b> By <b>Dr. Nitsara Karoonuthaisiri</b> National Center for Genetic Engineering and Biotechnology, Thailand	15.00 - 15.30	Coffee break	15.20 - 15.40	<b>Oral presentation 2 Honey bee <i>Apis cerana</i> eavesdrop on other bee species' alarm pheromone to avoid predator risky</b> By <b>Prof. Dr. Ken Tan</b> Chinese Academy of Science, P.R. China	

Day 3: Wednesday 1 March 2017				
Afternoon Session (Parallel Sessions AG13 - AG18)				
Session AG16 - AG18				
Session AG13-15	Session AG16: Sustainable agriculture (Seed regulation & Testing / Plant diseases/ Diagnostic technology)	Session AG17: Sustainable agriculture (Plant phenotyping)	Session AG18: Pollinator II	Session AG19-20
	Nile 3	Nile 4	Amber 1	
			15.40 - 16.00	Oral presentation 3 The Migration Movement of The Giant Honeybees, ( <i>Apis                      dorsata</i> ) on particularly Bee trees, ( <i>Ficus albipila</i> ) at Tanawsri Moutain Range, Thailand By Ms. Pimpisa Jansamut King Mongkut's University of Technology Thonburi, Thailand
			16.00 - 17.30	Workshop on Pollinator: Honey bee products for healthy life By Department of Agricultural Extension
				See program on page 14

Day 3: Wednesday 1 March 2017			
Afternoon Session (Parallel Sessions AG19)		Morning and Afternoon Session (Parallel Sessions AG20)	
Session AG19: Bioeconomy (Health and wellness)		Session AG20: United Nations Industrial Development Organization (UNIDO) Session III	
Amber 2		Amber 3	
		08.30 - 09.00	Registration
		09.00 - 10.00	Ethanol production: Distillation and dehydration By <b>Asst. Prof. Dr. Veara Loha</b> King Mongkut's University of Technology Thonburi, Thailand
		10.00 - 10.30	Coffee break
		10.30 - 11.30	Tapioca varietal development in Thailand By <b>Asst. Prof. Dr. Piya Kittipadakul</b> Kasetsart University, Thailand
		11.30 - 12.30	Good agricultural practice and best practice for cassava planting By <b>Asst. Prof. Dr. Piya Kittipadakul</b> Kasetsart University, Thailand
		12.30 - 13.30	Lunch
13.30 - 14.00	Regulatory overview for pharmaceutical, nutraceutical, agrochemicals and chemicals By <b>Ms. Sarah Balbusquier</b> Phycher Bio Development, France	13.30 - 14.15	Smart farm management in cassava planting By <b>Assoc. Prof. Dr. Tiranee Achalakul</b> King Mongkut's University of Technology Thonburi, Thailand
14.00 - 14.30	Bioactive natural products from fungi and diversification of fungal metabolites by One Strain-Many Compounds (OSMAC) approach By <b>Dr. Prasat Kittakoop</b> Chulabhorn Research Institute (CRI), Thailand	14.15 - 15.15	Ethanol production: Starch hydrolysis By <b>Dr. Kuakoon Piyachomkwan</b> National Center for Genetic Engineering and Biotechnology, Thailand
14.30 - 15.00	Microorganisms - Bio-ingredients for health and well-being By <b>Dr. Musaabakri Abdul Manan</b> Malaysian Agricultural Research and Development Institute (MARDI), Malaysia	15.15 - 15.45	Coffee break
		15.45 - 16.45	Ethanol production: Yeast fermentation By <b>Mr. Wairuj Dechmahitkul</b> King Mongkut's University of Technology Thonburi, Thailand
15.00 - 15.30	Valorization of bio-resources based on scientific evidence for creation of new industry By <b>Prof. Hiroko Isoda</b> University of Tsukuba, Japan	16.45 - 17.30	Wrap up/ Certification ceremony
15.30 - 16.00	Coffee break		



Day 4: Thursday 2 March 2017	
Morning Session Plenary Lectures Bhiraj Hall 2	
09.00 - 09.30	<b>Plenary speaker 13</b> <b>Crop adaptation to a changing environment and economy</b> By <b>Dr. Lynne McIntyre</b> Commonwealth Scientific and Industrial Research Organisation (CSIRO), Australia
09.30 - 10.00	<b>Plenary speaker 14</b> <b>Digital revolution: the contribution of the Integrated Breeding Platform</b> By <b>Dr. Jean - Marcel Ribaut</b> The Integrated Breeding Platform (IBP), Mexico
10.00 - 10.30	Coffee break
10.30 - 11.00	<b>Plenary speaker 15</b> <b>Applications of genomic technologies for crop improvement</b> By <b>Prof. Ray Ming</b> University of Illinois at Urbana-Champaign, USA
11.00 - 11.30	Poster award presentation and closing ceremony
11.30 - 13.00	Lunch