

T-PIRC Symposium

Innovation for global food production towards sustainable future

Session Organizer: Hiroshi Ezura

September 20 (Thu) @Tsukuba International Congress Center



<<Convention Hall 300>>

Opening Plenary 9:30-10:45

10:05-10:30	Kundhavi Kadiresan Food and agriculture in a changing world	Food and Agriculture Organization of the United Nations (FAO)
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<<Convention Hall 200>>

Opening

11:10-11:30	Hiroshi Ezura Opening Address	University of Tsukuba
	Kyosuke Nagata Welcome Address	President University of Tsukuba
	Kundhavi Kadiresan Address	Food and Agriculture Organization of the United Nations (FAO)
11:30-11:45	Akihiko Kosugi Old oil palm trunk: A sustainable bioresource for renewable energy production	Japan International Research Center for Agricultural Sciences (JIRCAS)
11:45-12:00	Duong Hoa Xo Research on development of vegetables, flowers and herbs adapting climate change in Hochiminh city	Biotechnology Center of Ho Chi Minh City
12:00-13:00	Lunch	

Sub-Session I

Understanding of plant plasticity for sustainable food security for future.

13:00-13:20	Robert VanBuren Convergent evolution of desiccation tolerance across land plants	Michigan State University
13:20-13:40	Brad Day Enhancing Drought Tolerance Through Directed Manipulation Of The Growth/Defense System.	Michigan State University
13:40-13:55	Shigeyuki Betsuyaku Spatiotemporal dynamics of plant immune responses	University of Tsukuba
13:55-14:15	Mohamed Zouine High-quality de novo genome assembly and annotation of the tomato genome using Long Read sequencing and TomExpress expression atlas	UMR990 INRA / Toulouse INP
14:15-14:30	Break	

Sub-Session II

Emergence of new generation of food production system via agriculture x ICT.

14:30-14:50	Md. Giashuddin Miah Climate-Smart Agricultural Practices: Bangladesh Perspective	Bangabandhu Sheikh Mujibur Rahman Agricultural University
14:50-15:10	Lei F. Tian Near-real-time Information System and Precision Farming	University of Illinois
15:10-15:30	Jih-Tay Hsu Intelligent Management System of Dairy Cattle Health Monitoring under Heat Stress	National Taiwan University
15:30-15:45	Break	

Sub-Session III

Genes to the fields- cutting edge multidisciplinary technologies for agriculture genomics.

15:45-16:05	Harkamal Walia Image-based Phenomics Approach for Discovering Abiotic Stress Tolerance Genes in Rice	University of Nebraska-Lincoln
16:05-16:25	Gota Morota Bayesian genomic factor analysis and Bayesian network to characterize high-throughput phenotyping data in rice	Virginia Polytechnic Institute and State University
16:25-16:40	Hiroyoshi Iwata Genomic selection and its extension to model based development in plant breeding	The University of Tokyo
16:40-16:55	Atsushi J. Nagano Genomic dissection and prediction of transcriptome dynamics in field conditions	Ryukoku University
16:55-17:00	Kazuo Watanabe Closing Address	University of Tsukuba