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)

<<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
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

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