

■ ISAM2018 Oral session program

13 March (Tue)

Room D

Chairperson: MORI Makito (Kochi University)

13:30	E-1	Structure from motion thermal mosaicing and its accuracy evaluation	NURWANDA Atik (Chiba University), HONJO Tsuyoshi (Chiba University), TSUNEMATSU Nobumitsu (Tokyo Metropolitan Research Institute for Environmental Protection), YOKOYAMA Hitoshi (National Research Institute for Earth Science and Disaster Resilience)
13:45	E-2	Automatic leaf segmentation in 3D plant images for estimating leaf area and leaf inclination angle	ITAKUEA Kenta, HOSOI Fumiki (The University of Tokyo)

Break time

Chairperson: KUWAGATA Tsuneo (Institute for Agro-Environmental Sciences, NARO)

14:05	E-3	Measurement and modelling of canopy photosynthesis for growth prediction of leaf vegetables	NOMURA Koichi (Kyushu University), YAMASAKI Yuki (Kyushu University), TAKADA Akihiro (Kyushu University), SAGO Yuki (Yamaguchi University), YASUTAKE Daisuke (Kyushu University), KITANO Masaharu (Kyushu University)
14:20	E-4	A climatological model for forecasting annual total airborne pollen	TSENG Yi-Ting (Kyoto University)
14:35	E-5	Spatiotemporal distribution of photosynthesis in a multi-span strawberry greenhouse: Multipoint application of a biochemical model for C ₃ photosynthesis	KIMURA Kensuke (Kyushu University), KOIKAWA Kota (Kyushu University), YASUTAKE Daisuke (Kyushu University), KITANO Masaharu (Kyushu University)
14:50	E-6	Carbon dioxide exchange between the atmosphere and an oil palm plantation on tropical peat	KIEW Frankie (Hokkaido University), HIRATA Ryuichi (NIES), HIRANO Takashi (Hokkaido University), WONG Guan Xhuan (Hokkaido University), AERIES Edward Baran (STROPI), MUSIN Kevin Kemudang (STROPI), WAILI Joseph Wenceslaus (STROPI), LO Kim San (STROPI), SHIMIZU Mariko (Civil Engineering Research Institute for Cold Region, Sapporo) and MELLING Lulie (STROPI).
15:05	E-7	Modeling yield of rice by predicting the sequential development of the plant	OUE Hiroki, YULIAWAN Taufiq, YIN Ting, MYAT MON May (Ehime Univ)

Break time

Chairperson: OUE Hiroki (Ehime University)

15:25	E-8	Application of supplemental low-intensity lighting to single-truss strawberry plants in a greenhouse	MUZTAHIDIN Nur Iman (Kyushu University), YASUTAKE Daisuke (Kyushu University), HIDAKA Kota (NARO-Kyushu Okinawa), YONEDA Ayami (Kyushu University), MIYOSHI Yuta (Takasaki Advanced Radiation Research Institute), NAGAO Koyo (Kyushu University), KITANO Masaharu (Kyushu University), OKAYASU Takashi (Kyushu University)
15:40	E-9	Air irrigation effects of leaf wetting by dew: Effect on whole plant water relations and gas exchange in maize under water stress	YOKOYAMA Gaku (Kyushu University), YASUTAKE Daisuke (Kyushu University), MORI Makito (Kochi University), WANG Weizhen (CAS), WU Yueru (CAS), KITANO Masaharu (Kyushu University)
15:55	E-10	Genetic changes in photosynthetic capacity from the past 60 years of soybean breeding -A comparison between Tohoku region of Japan and Midwestern US-	KUMAGAI Etsushi, HASEGAWA Toshihiro (NARO TARC)
16:10	E-11	Effects of elevated ozone on photosynthesis and yield of wheat	FENG Zhaozhong (RCEES, CAS), KOBAYASHI Kazuhiko (The University of Tokyo)

16:25	E-12	Effects of air velocities on photosynthesis, transpiration, and water use efficiencies of a plant canopy and single leaves	KITAYA Yoshiaki (Osaka Prefecture University), Shibuya Toshio (Osaka Prefecture University), Tsuruyama Joshin (Yamaguchi Prefectural Agriculture & Forestry General Technology Center)
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Break time

Chairperson: SHIBATA Shohei (Kyushu Okinawa Agricultural Research Center, NARO)

16:45	E-13	Analysis of urban heat island intensity in dense measurement network	HONJO Tsuyoshi (Chiba University)
17:00	E-14	Sky view factor measurement by spherical camera	HONJO Tsuyoshi, YUHWAN Seo (Chiba University)

15 March (Thu)

Room D

Chairperson: KIMURA Reiji (Arid Land Research Center, Tottori University)

9:00	E-15	Spatial distribution and formation conditions of severe haze pollution in autumn of Northeastern China	YIN Shuai (Hokkaido University), WANG Xiufeng (Hokkaido University), TANI Hiroshi (Hokkaido University), SUN Zhongyi (Hokkaido University)
9:15	E-16	A simple discussion on the response relationships between ecosystem water-use efficiency and its environmental factors	SUN Zhongyi (Hokkaido University), WANG Xiufeng (Hokkaido University), TANI Hiroshi (Hokkaido University), YIN Shuai (Hokkaido University)
9:30	E-17	Influence of local land cover to the meteorological conditions in farmland –Case Study for rice paddy field near Tsukuba City in Japan–	KUWAGATA Tsuneo (NIAES), HAGINOYA Shigenori (MRI), ONO Keisuke (NIAES), ISHIGOOKA Yasushi (NIAES)
9:45	E-18	Stand structure influences on rainfall partitioning: A comparison of Japanese cypress plantations in Western Japan	JEONG Seonghun (Kyushu University), OTSUKI Kyoichi (Kyushu University)

Break time

Chairperson: ISHIGOOKA Yasushi (Institute for Agro-Environmental Sciences, NARO)

10:05	E-19	Combination of SAR polarimetric parameters for estimating forest above-ground biomass	TRUONG Thi Cat Tuong (Hokkaido University), TANI Hiroshi (Hokkaido University), WANG Xiufeng (Hokkaido University);
10:20	E-20	Comparison of methane flux measured by eddy covariance technique among three different tropical peat ecosystems	WONG Guan Xhuan (Hokkaido University), HIRATA Ryuichi (National Institute for Environmental Studies), HIRANO Takashi (Hokkaido University), KIEW Frankie (Hokkaido University), AERIES Edward Baran (Sarawak Tropical Peat Research Institute), MUSIN Kevin Kemudang (Sarawak Tropical Peat Research Institute), WAILI Joseph Wenceslaus (Sarawak Tropical Peat Research Institute), LO Kim San (Sarawak Tropical Peat Research Institute), MELLING Lulie (Sarawak Tropical Peat Research Institute)
10:35	E-21	The evaluation of the applicability of a two-layered Aerosol sampling inlet to pollen sampling	MIKI Kenji (Kyoto University)
10:50	E-22	Reduced freezing tolerance of the tea plant (<i>Camellia sinensis</i> L. var. Yabukita) during a late frost season	NISHITANI Momoko (Kochi University), MORI Makito (Kochi University)

16 March (Fri)**Room D**

Chairperson: KUMAGAI Etsushi (Tohoku Agricultural Research Center, NARO)

9:00	E-23	Photosynthesis and crop production: Thermodynamic and information-theoretic perspectives	KIM Joon (Seoul National University), INDRAWATI Yohana (Seoul National University), KANG Minseok (National Center for AgroMeteorology)
9:15	E-24	Photosynthetic characteristics of no-fruit-bearing apple tree under restricted solar radiation	ITO Daiyu (Hirosaki University), ISHIDA Sachinobu (Hirosaki University)
9:30	E-25	Dynamics of photosynthate translocation to strawberry fruits dramatically changes depending on the leaf position	MIYOSHI Yuta (QST), HIDAKA Kota (NARO), ISHII Satomi (QST), SUZUI Nobuo (QST), YIN Yong-Gen (QST), KURITA Keisuke (QST), ARAKI Takuya (Ehime University), YASUTAKE Daisuke (Kyushu University), KITANO Masaharu (Kyushu University), KAWACHI Naoki (QST)

Break time

Chairperson: MARUYAMA Atsushi (Institute for Agro-Environmental Sciences, NARO)

9:50	E-26	Effects of open-field soil and water warming on rice growth and yield - Results from 10-years experiment -	WAKATSUKI Hitomi (Institute for Agro-Environmental Sciences, NARO), FUKUOKA Minehiko (Institute for Agro-Environmental Sciences, NARO), YOSHIMOTO Mayumi (Institute for Agro-Environmental Sciences, NARO), USUI Yasuhiro (Hokkaido Agricultural Research Center, NARO), SAKAI Hidemitsu (Institute for Agro-Environmental Sciences, NARO), HASEGAWA Toshihiro (Tohoku Agricultural Research Center, NARO)
10:05	E-27	Maize made spline curve response to temperature	FUKAMI Kazuma (The University of Tokyo), SAKURAI Gen(NARO), YOKOZAWA Masayuki (Waseda University), IWATE Hiroyoshi (The University of Tokyo)
10:20	E-28	Impact of climate change on rice production and quality considering the mutual influence of high-temperature and CO ₂ concentration	ISHIGOOKA Yasushi (NIAES), HASEGAWA Toshihiro (TARC), KUWAGATA Tsuneo (NIAES), NISHIMORI Motoki (NIAES), WAKATSUKI Hitomi (NIAES)
10:35	E-29	Can earlier heading date in FACE be explained by canopy temperature?	YOSHIMOTO Mayumi (NIAES), HASEGAWA Toshihiro (TARC/NARO), WAKATSUKI Hitomi (NIAES), SAKAI Hidemitsu (NIAES), NAKAMURA Hirofumi (Taiyo Keiki)