

# ISAM2016 Poster session program

15:30-17:30, 15 March (Tue) / Room (3F, C32)

(Odd numbered: 15:30-16:30, even numbered: 16:30-17:30)

PE-1	Approximate integral functional of composting process OHirakazu Seki (Kanazawa Univ.)
PE-2	Effect of heat extraction on the heat generation rate of bamboo chip fermentation OLiu Yongyan*, Hirakazu Seki**, Masanori Suzuki**, Nguyen Thanh Thuy** (*Grad. school of Nat. Sci. & Tech., Kanazawa Univ., **Kanazawa Univ.)
PE-3	Spatial distribution and interannual variation of subsurface soil moisture conditions over a steppe in Mongolia ODai Matsushima*, Reiji Kimura**, Yasunori Kurosaki** and Masato Shinoda*** (*Chiba Institute of Technology, **ALRC, Tottori Univ., ***Nagoya Univ.)
PE-4	Model development for evaluating nitrogen absorption rate through rice root system OYasuyuki Wakiyama and Shohei Shibata (NARO Kyushu Okinawa Agric. Res. Center)
PE-5	Study of Light Source Reducing Light Pollution in Spinach by Using Mixed Light of Blue and Yellow-green OKazuki Nomura*, Haruhiko Yamamoto**, Kiyoshi Iwaya** and Yoshimitsu Sonoyama*** (*Grad. School of Yamaguchi Univ., **Yamaguchi Univ., ***Agri-Light Laboratory)
PE-6	Thermal environment over a football pitch of artificial turf in warmer season evaluating in WBGT and by WBGWT - Wet Black Globe Water Thermometer OSUZUKI, Jun* and OKANO, Michiaki** (*Shinshu Univ., **FFPRI)
PE-7	LAI and plant height influence on the crop coefficient and energy budget in a maize field OKITANO, Akiko and SUZUKI, Jun (Shinshu Univ.)
PE-8	Quantitative analysis of fractional uncertainty for eddy covariance flux using the data quality control and assurance ODaisuke Komori*1, Wonsik Kim*2, Jaeil Cho*3, Amnat Chidthaisong*4, Warangluck Soklin*5 and Montri Sanwangsri*6 (*1Tohoku Univ., *2NIAES, *3Pukyong National Univ., *4King Mongkut's Univ. of Technology Thonburi, *5Naresuan Univ., *6The Univ. of Phayao)
PE-9	Application of supplemental lighting with LED in strawberry greenhouse OT. Hidaka, Y. Miyoshi, H. Inufusa (Kyushu Univ.), K. Hidaka (NARO), D. Yasutake, M. Kitano (Kyushu Univ.)
PE-10	Cold tolerance in spring buds of tea affected by chilling and warming temperatures OK. Kimura*, T. Ooki*, K. Maruo*, D. Yasutake*, M. Katsuda**, A. Tokuda**, J. Fukuyama**, K. Nakazono***, M. Kitano* (*Kyushu Univ., **Kagoshima Pref. ***Fukuoka Pref.)
PE-11	Toward an understanding on occurrence mechanisms of meteorological disasters in Akita prefecture, Japan OMakoto Inoue (Akita Pref. Univ.)
PE-12	Application of a small aperture scintillometer to a terraced rice paddy OShinichi Takeshita* and Yuya Tashiro* (*Miyazaki Univ.)
PE-13	Do QTLs for heat tolerance improve grain appearance quality of rice under elevated [CO <sub>2</sub> ]? OYasuhiro USUI*, ****, Hidemitsu SAKAI*, Takeshi TOKIDA*, Hirofumi NAKAMURA**, Asako KOBAYASHI***, Hiroshi NAKAGAWA****, Mayumi YOSHIMOTO, Toshihiro HASEGAWA* (*NIAES, **Taiyo Keiki Co. Ltd., ***Fukui Agric. Res. Station, ****NARO/NARC, *****NARO/HARC)
PE-14	Fine-root dynamics and consequent variation in soil respiration in northern forest OLifei Sun, Takashi Hirano, Tomotsugu Yazaki (Hokkaido Univ.), Naishin Liang, Munemasa Teramoto (NIES)
PE-15	Simulating soil carbon accumulation in an upland black spruce ecosystem of interior Alaska: implications for permafrost carbon dynamics to climate change OXin WANG (Hiroshima Univ.), Masayuki YOKOZAWA (Shizuoka Univ.), Keiji KUSHIDA (Nihon Univ.), Motomu TODA (Hiroshima Univ.)
PE-16	Wetness and temperature on sugar beet leaf and disease infection value ORyoji Sameshima*, Hiroki Kumazawa*, Takaji Nezu** and Keiji Okada* (*Hokkaido Univ., **Hokkaido sugar Co. Ltd)
PE-17	Apparent diurnal variation in the photosynthesis-conductance relationship observed over a rice canopy OKeisuke Ono and Tsuneo Kuwagata (National Institute for Agro-Environmental Sciences)
PE-18	Monitoring of Sand Move Remediation and Distribution of Vegetation, with Landscape Conservation Activity for Anti-glass-land in Tottori Sand Dune ONaru TAKAYAMA*, Reiji KIMURA** and Yusuke SHINANO* (*Osaka Inst. of Tech., **ALRC, Tottori Univ.)

PE-19	<p>Singlet oxygen generation in tomato leaves under blue-violet LED irradiation          ○Yosuke Masuda, Yasuomi Ibaraki (Faculty of agriculture, Yamaguchi University)</p>
PE-20	<p>Effect of shifting crop calendar of rice as adaptation to climate change on the water supply-demand relationship in Japan          ○Yasushi Ishigooka*, Motoki Nishimori*, Tsuneo Kuwagata*, and Toshihiro Hasegawa* (*National Institute for Agro-Environmental Sciences)</p>
PE-21	<p>Development of efficient evaluation methods in light pollution of spinach          ○Harada Yoko (Yamaguchi Univ.), Nomura Kazuki (Graduate school Yamaguchi Univ.), Yamamoto Haruhiko (Yamaguchi Univ.)</p>
PE-22	<p>Development of methods for collecting the down-flowing liquid on the trunk of trees contaminated with radioactive fallout          ○Mamoru Sato***, Tsugiko Takase** and Katsuhiko Yamaguchi* (*Fukushima Univ., **IER, Fukushima Univ., ***FTRC, Fukushima Agric. Tech. Center)</p>
PE-23	<p>Estimating water temperature of paddy field in Hokkaido with a coupled land surface and crop growth model          ○Makito Takahashi*, Atsushi Maruyama**, Takahiro Hamasaki***, Keiji Okada*, and Ryoji Sameshima* (*Hokkaido Univ., **NARO Agric. Res. Center, ***NARO Hokkaido Agric. Res. Center)</p>
PE-24	<p>The variability characteristics of water temperature and quality in Lake Toya, Hokkaido          ○Kenta Hayashi, Keiji Okada, Takashi Denpoh and Ryoji Sameshima (Hokkaido Univ.)</p>
PE-25	<p>Change in soil carbon with different managements under long-term field experiment in orchards in Japan          ○Hiroyoshi Sugiura*1, Hiromichi Inoue*2, Kouji Iwabuchi*3, Yutaka Fujita*4, Takeru Gonai*4, Osamu Kato*5, Takahiro Tezuka*5, Sakae Furuya*5, Eri Mineta*6, Hideo Sakai*5, Kazuhiro Yamada*6, Tadashi Furukawa*7 (*1NARO/IFTS(Hiroshima), *2NARO/IFTS(Ibaraki), *3Fukushima Agr. Tech. Center, *4Ibaraki Agr. Center, *5Yamanashi Fruit Tree Exp. Sta., *6Kumamoto Pref. Agr. Res. Center, *7Nagasaki Agr. For. Tech. Develop. Center)</p>
PE-26	<p>Developing Frost and Dew Sensor Using Time Domain Reflectometry          ○Kazuki Shibuya*, Rei Miyakawa**, and Kosuke Noborio** (*Grad. School of Agric., Meiji Univ., **School of Agric., Meiji Univ.)</p>
PE-27	<p>Seasonal changes in the freezing tolerance of the tea plant (<i>Camellia sinensis</i> L. var Yabukita): an experimental study at a tea garden in western Japan          Haruka Nakamura*, ○Makito Mori*, Ryutarō Isshiki** (Okayama Univ.), Tomohiro Nojima* (*Kochi Univ., **Okayama Univ.)</p>
PE-28	<p>Estimation of sugarcane yield and nitrogen leaching using APSIM model in Northern Negros Island, the Philippines          ○Shinkichi Goto*, Oscar Carpio**, Kazuhito Sakai***, Toshihiko Anzai****, Shotaro Ando* (*TARF, JIRCAS, **Bureau of Soils and Water Management, Department of Agriculture, Philippines, ***Univ. of the Ryukyus, ****JIRCAS)</p>
PE-29	<p>Fundamental experiments on effective control of water temperature for land-based aquaculture of seaweed in greenhouse          ○Yuki Sago and Haruhiko Yamamoto (Yamaguchi Univ.)</p>