

International Symposium on Agricultural Meteorology 2014 -Oral Session-

Tue 18 March 9:00 – 11:30 Room B			
9:00 - 9:15	I-1	Crop classification of upland fields using Random Forest	Kenichi TATSUMI (Tokyo Univ. of Agriculture and Technology)
9:15 - 9:30	I-2	Effect of planting density on water and fertilizer use efficiency of pumpkin plants in Inner Mongolia	Tana, Cui YANWEI (Institute of Grassland Research, Chinese Academy of Agricultural Sciences) and ○Kiyoshi OZAWA (Meiji Univ.)
9:30 - 9:45	I-3	Chemical composition of <i>Quercus serrata</i> and <i>Q. mongolica</i> var. <i>crispula</i> seedlings grown under elevated O ₃ and CO ₂ with a free-air fumigation system	Cong SHI ¹ , Mitsutoshi KITAO ² , Makoto WATANABE ³ , Hiroyuki TOBITA ² , Ken'ichi YAZAKI ² , Satoshi KITAOKA ² and Takayoshi KOIKE ¹ (¹ Hokkaido Univ., ² Forestry & Forest Products Research Institute, ³ Tokyo Univ. of Agriculture and Technology)
9:45 - 10:00	I-4	Effects of O ₃ on the growth of Japanese larch (<i>Larix kaempferi</i>) and Hybrid larch F ₁ (<i>Larix gmelinii</i> var. <i>japonica</i> × <i>L. kaempferi</i>) grown under different nitrogen concentration	Dong-Gyu KAM ¹ , Makoto WATANABE ² , Cong SHI ¹ , Mao Qiaozhi ¹ , Xiaona WANG ¹ , Kazuhito KITA ³ and Takayoshi KOIKE ¹ (¹ Hokkaido Univ., ² Tokyo Univ. of Agriculture and Technology, ³ Forestry Research Institute, Hokkaido Research Organization)
10:00 - 10:15	I-5	Study on sustainable development of coastal communities by thinning practices of the rehabilitated mangrove trees	Yosuke OKIMOTO ¹ , Akihiro NOSE ² , Daniel MURDIYARSO ³ , Asihing KUSTANTI ⁴ , Rujito Agus SUWIGNYO ⁵ , Sigit Deni SASMITO ³ and Yutaka TATEDA ⁶ (¹ Hokkaido Univ., ² Saga Univ., ³ Center for International Forestry Research Institute, ⁴ Lampung Univ., ⁵ Sriwijaya Univ., ⁶ Central Research Institute of Electric Power Industry)
10:30 - 10:45	I-6	Environmental dependence and seasonal variation of diffuse radiation in tropical peatland	Fiolenta MARPAUNG and Takashi HIRANO (Hokkaido Univ.)
10:45 - 11:00	I-7	Carbon and energy flux densities above and within a black spruce forest in interior Alaska	Hiroki IKAWA ¹ , Taro NAKAI ² , Robert C. BUSEY ¹ , Yongwon KIM ¹ , Hideki KOBAYASHI ³ , Rikie SUZUKI ³ and Larry HINZMAN ¹ (¹ IARC, Univ. of Alaska, ² Nagoya Univ., ³ RIGC, JAMSTEC)
11:00 - 11:15	I-8	Simultaneous assimilation of satellite and eddy covariance data for improving terrestrial water and carbon simulations at a semi-arid woodland site in Botswana	KATO, T. (Hokkaido Univ., LSCE), KNORR, W., SCHOLZE, M. (Lund Univ.), VEENENDAAL, E. (Wageningen Univ.), KAMINSKI, T. (FastOpt), KATTGE, J. (MPI-Jena) and GOBRON, N. (JRC)
11:15 - 11:30	I-9	Trends in budding and leaf coloring dates of the <i>Ginkgo biloba</i> L. between 1977 and 2007 in Japan	Yo SHIMIZU, Shuhei UMEMURA and Kenji OMASA (The Univ. of Tokyo)
Thu 20 March 13:00 – 15:45 Room B			
13:00 - 13:15	I-10	Heat balance analysis of a tea leaf for evaluating frost protection	Kyosuke MARUO, Yuta MIYOSHI, Masaharu KITANO (Kyushu Univ.), Kentaro NAKAZONO, Tetsuya YOSHIOKA (Fukuoka Pref.), Akihiko MUROYA (KAWASAKI KIKO CO.) and Kiyoshi MATSUO (NARO)
13:15 - 13:30	I-11	Mechanism-based approach to root ion absorption affected by environmental factors	Ryosuke NOMIYAMA, Shota DOWAKI, Asuka YAMADA (Kyushu Univ.), Yuki SAGO (Yamaguchi Univ.), Daisuke YASUTAKE (Kochi Univ.) and Masaharu KITANO (Kyushu Univ.)
13:30 - 13:45	I-12	Sustainable control of the local environment of greenhouse crops by applying constant soil temperature layer I. Improvement of root zone temperature in soilless culture	Masaharu KITANO (Kyushu Univ.), Shinobu TAKAMURA (Naigai Engineering) and Yuta MIYOSHI (Kyushu Univ.)
13:45 - 14:00	I-13	Sustainable control of the local environment of greenhouse crops by applying constant soil temperature layer II. Improvement of shoot environments	Yuta MIYOSHI (Kyushu Univ.), Kota HIDAKA (NARO Kyushu Okinawa Agricultural Research Center) and Masaharu KITANO (Kyushu Univ.)
14:00 - 14:15	I-14	Artificial rainfall experiment by seeding liquid carbon dioxide at Miyake and Mikura Islands in the Izu Islands of Tokyo on Mach 14 in 2013	Taichi MAKI (Japan International Research Center for Agricultural Sciences and Professor Emeritus, Kyushu Univ.), Osamu MORITA (Office for a Sustainable Future, Fukuoka Univ.), Yoshinori SUZUKI (Professor Emeritus, Kyushu Univ.), Kenji WAKIMIZU (Faculty of Agriculture, Kyushu Univ.) and Koji NISHIYAMA (Faculty of Engineering, Kyushu Univ.)
14:15 - 14:30	I-15	Effect of coverage by a plant canopy on the interception of rainfall in coffee and clove plantations in Bali, Indonesia	Sanz Grifrio LIMIN (UGAS Ehime Univ.), ○Hiroki OUE and Yoshinobu SATO (Ehime Univ.)
14:45 - 15:00	I-16	Evaluation on dynamics of leaf area index (LAI) of rice in farmer's fields in Vientiane Province, Lao PDR	Yoshihiro HIROOKA, Koki HOMMA, Masayasu MAKI and Kosuke SEKIGUCHI (Kyoto Univ.)
15:00 - 15:15	I-17	Modeling evapotranspiration in rice and green bean fields in South Slawesi during the dry season	Hiroki OUE (Ehime Univ.), Sartika LABAN (UGAS Ehime Univ.) and Agnes RAMPISELA (Hasanuddin Univ.)
15:15 - 15:30	I-18	Monitoring of bamboo forest damage using multi-temporal satellite images and meteorological data	Guosheng ZHONG, Xiufeng WANG, Hiroshi TANI and Kunpeng YI (Hokkaido Univ)
15:30 - 15:45	I-19	Remote sensing indices based on biological information	Hideo MINAGAWA, Taiga MIKOSHIBA, Satoshi HAMADA and Katsuyuki TANAKA (Kitasato Univ.)

Chair :
Daisuke
YASUTAKE
(Kochi Univ.)

Chair :
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Etsushi
KUMAGAI
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Chair :
Masahiro
TASUMI
(Miyazaki
Univ.)

Chair :
Yasushi
ISHIGOOKA
(NIAES)