

Date	Time	Hall	Session Title	Title	Name	Affiliation	
Sep.20	10:20 – 12:00	A	Keynote Speech	Keynote Speech	Power from Space in Future and Present	Naoki Shinohara	Research Institute for Sustainable Humanosphere, Kyoto University
					Developing high quality on-line learning environments: An enterprise level approach	Fedro S. Zazueta	Office of Academic Technology University of Florida
					Using Hyperspectral Imaging Technique to Evaluate and Inspect Quality and Safety of Agricultural and Food Products	Da-Wen Sun	Food Refrigeration & Computerised Food Technology, University College Dublin, National University of Ireland, Agriculture & Food Science Centre
	13:00 – 13:30	B	Guest Speech	Guest Speech 1	Mechanization and Automation for Sustainable Horticultural Crop Production	Qin Zhang	Washington State University, USA
	13:30 – 15:10	B	Oral Session	land and water engineering (1)	Introduction of Micro-Sprinkler Systems to Mango Production into the Uplands Northern Thailand	Wolfram Spreer	Institute of Agricultural Engineering, University of Hohenheim, Stuttgart, Germany
					A Comparison of Drip and Conventional Furrow Irrigation Methods on Maize in a Semi-Arid Region	Houshang Ghamarnia	Department of Irrigation and Water Resources Engineering, Faculty of Agriculture, Razi University, Kermanshah, Iran
					Development of Automated Irrigation System for Production Field: Fuzzy Timer Control	Satyanto K Saptomo	Department of Civil and Environmental Engineering, Bogor Agricultural University (IPB),
					A Web-Based Decision Support System for Surface Irrigation Design	José M. Gonçalves	CEER Biosystems Engineering Research Center, Technical University of Lisbon, Portugal
					LCA Applied to Winter Pea-Wheat Intercrops: Allocation of Impacts and Assessment of N-Fertilized Cereal-Legume	Christophe Naudin	LUNAM Université, Groupe ESA, UR LEVA, France
					Appearance and Spread of Foot-and-Mouth Disease Transported by Yellow Sand and Local Wind in Miyazaki from Spring to Summer 2010	Taichi Maki	Alliance for Research on North Africa, University of Tsukuba, Japan
	13:00 – 13:30	C	Guest Speech	Guest Speech 2		Xiwen Luo	
	13:30 – 15:10	C	Oral Session	image processing	Image Analysis System to Determine Crop Row and Plant Positions for an Intra-Row Weeding Machine	Jochen Hemming	Wageningen UR Greenhouse Horticulture, Wageningen, The Netherlands
					Development of Hyperspectral Imaging System to Detect Gene Recombinant	Sayuri Tomoda	Graduate School of Agricultural Science, Kobe Univ, Japan
					Machine Vision-based Micro-Precision Irrigation System to Optimize Water Use in Plant Factory	Yusuf Hendrawan	Osaka Prefecture University, Graduate School of Life and Environmental Sciences, Department of Applied Life Sciences, Japan
					3-Dimensional Imaging of Calcium Oxalate Crystals Distribution in Rose Stems by Synchrotron X-Ray Tomography	Uzuki Matsushima	Faculty of Agriculture, Iwate University, Japan
					Haskap Berries Classification According to Color Features Using Imaging Analysis	Longsheng Fu	Graduate School of Agriculture, Hokkaido University, Japan
	13:00 – 13:30	D	Guest Speech	Guest Speech 3	Energy-Efficient Management of the Greenhouse Environment in the Production of Ornamentals	Erik S. Runkle	Department of Horticulture, Michigan State University, East Lansing, USA

Date	Time	Hall	Session Title	Title	Name	Affiliation	
Sep.20	13:30 – 15:30	D	Oral Session	greenhouse	Development of Semi-Automated Hydroponics Food Production in Simple Tropical Greenhouse	Affan Fajar Falah Mohammad	Department of Agroindustrial Technology, Fac. of Agricultural Technology, Gadjahmada University, Indonesia
					Research of Forecasting Model of Tomato Growth in Intelligent Greenhouse	Kenji Hatou	Ehime University, Japan
					Development of Moss Greening Material for Merapi Disaster Prone Area	Mirwan Ushada	Department of Agroindustrial Technology, Faculty of Agricultural Technology, Gajah Mada University, Indonesia
					Modelling Greenhouse Temperature and Humidity in order to Develop an Energy Saving Model-Based Control Strategy	Danny Volkaerts	Dept. Biosystems: M3-BIORES, Catholic University of Leuven, Belgium
					Design of an Autonomous Mobile Robot for Greenhouse Applications	Hassan Masoudi	Agricultural Machinery Engineering and Mechanization Department, Shahid Chamran University, Iran
					An Autonomous Mobile Robot for Greenhouse Applications	Hassan Masoudi	Agricultural Machinery Engineering and Mechanization Department, Shahid Chamran University, Ahvaz,
	13:00 – 15:30	E	Organized Session 1	Water Use of Rice Plant at Different Scales from Leaf to Continent	Irrigation Water Management for Preventing High Temperature Injury of Rice	Koshi Yoshida	Ibaraki University, Japan
					Response of Water Use Efficiency and Gas Exchange to Water Management in Contrasting Rice Genotypes	Seiji Shimoda	National Agriculture and Food Research Organization, Japan
					Estimation of Rice Planted Area in Lowland Paddy in Northeast Thailand Using Large-Scale Hydrological Model	Yasushi Ishigooka	National Institute for Agro-Environmental Sciences, Japan
					Seasonal Variation in Bulk Stomatal Conductance of Rice Plants at Canopy	Atsushi Maruyama	National Agriculture and Food Research Organization, Japan
					Water-Saving Technologies for Rice in the Philippines	Eduardo Jimmy P. Quilang	
	13:00 – 15:30	F	Organized Session 5	Quality and Safety of Foods and Agricultural Products	Development of a Rapid Method for Estimating Fatty Acid Composition of Japanese Black Cattle Beef by FTIR Spectroscopy and the Characterization of FTIR-Monitoring of Sugar Uptake during Fermentation of Yeast Dough	Yukari Okada	Graduate School of Agricultural Science, Kobe University, Japan
					Permittivity of Palm Oil Blended with Vegetable Oils and its Temperature Dependence	Kengo Fukui	Graduate School of Agricultural Sciences, Kobe Univ., Japan
					Airtightness Measurement of Aseptic Paper Container for Beverage by Using Vibration Resonance Method	Novia Mehra Erfiza	Graduate School of Agricultural Science, Kobe University, Japan
					Nondestructive Detection of Chlorpyrifos Dried on Apple Skin Using UV-Reflectance	Takahisa Nishizu	Faculty of Applied Biological Sciences, Gifu University, Japan
					Assessment of Postharvest Attributes of Fig (Ficus carica L.) Fruit Stored Under High Humidity Environment	Meilan Li	Graduate School of Agricultural and Life Sciences, The University of Tokyo, Japan
					Electrical Effect on Death Kinetic Properties of Klebsiella Oxytoca during	Van Hung Duong	Graduate School of Bioresource and Bioenvironmental Sciences, Kyushu University, Japan
						Nareethep Ruangthip	Graduate School of Agricultural Science, Hokkaido University, Japan

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Sep.20				Effects of Amylose and Protein Contents on Eating Quality of Low-Amylose Rice Variety Line "Yumepirika"	Sakiko Fujikawa	Graduate School of Agricultural Science, HOKKAIDO Univ, Japan	
				Modeling of Coupled Mass Transport and Mechanical Deformation in Rice Grains under Isothermal Soaking Condition	Jonathan H Perez	Graduate School of Bioresource and Bioenviromental Sciences, Kyushu University, Japan	
				Non-Destructive Estimation of ATP Content on Pork Meat Surface by Optical Sensing	Naomi Oto	Graduate School of Agricultural and Life Sciences, The University of Tokyo, Japan	
				Analysis Method for NIR Imaging Spectroscopy to Detect Foreign Matter in Food Products	Toshinori Honma	Industrial Research Institute, Industrial Research Department, Hokkaido Research Organization,	
	13:00 - 15:30	G	Organized Session 3	Robotics and automation technologies for production agriculture	Development of Land Based Autonomous Agricultural Production System on Rice, Wheat and Soybeans	Noboru Noguchi	Hokkaido University
					Development of Navigation Sensor Based on Multi-GNSS Technology	Kazuhiro Ogawa	TOPCON
					Management Service system of Multi Robot Tractors	Noriko Yamagata	Hitachi Solutions
					Development of Obstacles Detecting Sensor System	Hidefumi Inoue	BOSCH
					Development of Robot Tractor	Kazunobu Ishii	Hokkaido University
					Development of Robotic Head Feeding Type Combine	Michihisa Iida	Kyoto University
					Development of Robotic Conventional Combine	Kazuo Kotake	Yanmar
					Development of Agricultural Implements for Robot Tractor	Ahmad Almallahi	Hokkaido University
					Economical Evaluation of Large-scale Farming System using Robot Tractor	Eiichi Shiga	Hokkaido University
					Automated rice transplanting operation using a GPS-guided vehicle	Yoshisada Nagasaka	National Agricultural Research Center
	13:00 - 15:30	I	Seminar	Thermal Environment simulation in Agricultural structures	Thermal Environment simulation in Agricultural structures		
	15:30 - 17:00	A	Open Extensive Session	Open Extensive Session	Greenhouse Production in US: Status, Challenges, and Opportunities	Murat Kacira	Agricultural and Biosystems Engineering, University of Arizona,

Date	Time	Hall	Session Title		Title	Name	Affiliation
Sep.22	9:00 – 9:30	B	Guest Speech	Guest Speech 4	Integrated approach and sustainability – The importance of new generation sensors, almost real-time acquisition and networking	Ivan Di Federico	Topcon Positioning System Inc.
	9:30 – 10:50	B	Oral Session	land and water engineering (2)	Predicting Unsaturated Hydraulic Conductivity of Tropical Cultivated and Uncultivated Soil from Simple Dielectric	Krissandi Wijaya	Agricultural Engineering Study Program, Jenderal Soedirman University, Purwokerto, Indonesia
					Rapid Phenotyping of Different Maize Varieties under Drought Stress by Using Thermal Images	Giuseppe Romano	University of Hohenheim, Institute of Agricultural Engineering, Stuttgart, Germany
	9:00 – 9:30	C	Guest Speech	Guest Speech 5		Josse DeBeardemaeker	
	9:30 – 11:10	C	Oral Session	robotics	Multi-Sensor Simulation Method for Outdoor Plant Phenotyping based on Autonomous Field Robots	Vadim Tsukor	University of Applied Sciences Osnabrueck / Competence Center of Applied Agricultural Engineering COALA, Germany
					3D Time-of-Flight Camera-based Sensor System for Automatic Crop Height Monitoring for Plant Phenotyping	Ralph Klose	University of Applied Sciences Osnabrueck, Germany
					Monitoring Flow of Seeds in Grain Drill Controlled by Robot Tractor	Ahmad A. Al-Mallahi	Research School of Agriculture, Hokkaido University, Japan
					Development of an Automatic Navigation System Using Laser Range Finder in the Paddy Field – Development of Robot Vehicle in Paddy Field Application in Real-	Jongmin Choi	Graduate School of Agriculture, Hokkaido Univ, Japan
					Development of Robotic Boat for Water Environment Monitoring	Yutaka Kaizu	Hokkaido University, Japan
	9:00 – 9:30	D	Guest Speech	Guest Speech 6	RFID-integrated Remote Sensing System for Greenhouse Production	Suming Chen	Department of Bio-Industrial Mechatronics Engineering, National Taiwan University, Taipei, Taiwan
	9:30 – 10:50	D	Oral Session	food processing	Effects of Freezing Rate on the Fermentative Activity and Gluten Network Integrity of Kougelhoppf Sweet Dough	Smail Meziani	Nancy Université, ENSAIA-INPL, Laboratoire d'Ingénierie des Biomolécules (LIBio), France
					Application of Nanofiltration for Recovering Benzoic Acid from Cranberry Juice	Dat Quoc Lai	National Food Research Institute, NARO, Japan
					Effects of Rice Variety and Milling Method on Expansion Ratio of Rice Bread Dough	Masataka Tanaka	Graduate School of Agriculture, Hokkaido University, Japan
					Extraction of Collagen from the Skin of Basa Fish (<i>Pangasius Hypophthalmus</i>)	Huong Thi Thu Le	Ho Chi Minh City University of Technology, Vietnam
	9:30 – 11:30	E	Oral Session	biomass (1)	Effect of Moisture Content and Aeration on Composting of Tea Waste	Joko Nugroho Wahyu Karyadi	Depart. Agriculture Engineering, Gadjah Mada University, Indonesia
					Conceptual Design of an Integrated Biomass Harvester Which Produces Liquid Fuel and Biochar	John K. Schueller	University of Florida, United States of America
					Bioethanol Production from Kraftpulp	Fumio Hasegawa	Graduate School of Agricultural and Life Sciences, The University of
					Ammonia Emissions from Biogas Digestate during Low-Temperature Drying	Claudia Maurer	University of Hohenheim, Germany
					Life Cycle Assessment of Biogas used for the Provision of Thermal Household Energy in Developing Countries	Jens Lansche	Institute of Agricultural Engineering, Universität Hohenheim, Germany

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Sep.22					Biogas Production Vs. Dung Combustion as Household Energy in Rural Ethiopia	Isabel Barfuss	University of Hohenheim, Institute for Agricultural Engineering in the Tropics and Subtropics, Germany
	9:00 – 11:30	G	Organized Session 6	Sensor Network and its Application in Agriculture	Cloud Service Platform for Field Sensor Network Using SOS (Sensor Observation Service) Standard	Kiyoshi Honda	School of Engineering and Technology, Asian Institute of Technology, Thailand
					Plant / Vegetation Monitoring System Using Fluorescence as a Sensing Node for Next-Generation Agriserver	Yasunori Saito	Faculty of Engineering, Shinshu Univ., Japan
					A Wireless Sensor Network in a Mandarin Orange Orchard for Smart Cultivation Management	Takaharu Kameoka	Graduate school of Bioresources, Mie University, Japan
					Paddy Rice Leaf Color Spectrum Monitoring Using Field Server	Yenu Wan	National Chung Hsing University, Taiwan, R. O. C.
					Ambient Sensor Cloud System with Open Source Hardware and Cloud Services	Masayuki Hirafuji	National Agriculture and Food Research Organization, Japan
					GeoSense: a Dynamic Real-time Precision Agricultural System	Sudharsan Dhanachandran	Center of Studies in Resources Engineering, Indian Institute of Technology Bombay, Powai, Mumbai, India
	9:00 – 11:30	H	Organized Session 2	Evaluating the Issues on both the Rice Production in Paddy Field and Water Cycle under the Effect of Global Warming	The Aichi Canal Project: Cooperation between Land Improvement District and Japan Water Agency	Yasuro Nakajo	The University of Tokyo, Japan
					Climate Change Effects on Agricultural Water Resources Management in Korea	Jin-Yong Choi	Associate Professor, Dept. of Rural Systems Eng., Seoul National Univ., Republic of Korea
					History of Large Scale Irrigation and Drainage Projects and the Growth of Regional Societies in Taiwan	Yu-Chuan Chang	Department of Tourism Management, Hsing Wu College, Taiwan
					Water Management Improvement in the Nile Delta under Decreasing Water Resources Availability	Talaat Th El-Gamal	Water Management Research Institute, National Water Research Center, Ministry of Water Resources and Irrigation, Egypt
	9:00 – 11:30	I	Organized Session 4	Environmental Burden and its Evaluation in Livestock Facilities	Gas Emission Rate and Air quality of a Japanese Open Type Pig House with Natural Ventilation	Ryoh Nakakubo	National Institute of Livestock and Grassland Science, Japan
					Environmental Impacts of Relieving Methods from Heat Stress in Japanese Dairy Farming as Evaluated by Life Cycle	Atsuo Ikeguchi	Waste recycling research team, NILGS, Japan
					Mass Balance of and Odorous Gas Emission during Cow Manure Composting with Waste-Derived Bulking Agents	Yoichiro Kojima	National Institute of Livestock and Grassland Science, NARO, Japan
					Characteristics of Nitrogen Transition and N ₂ O Generation in the Composting of Cattle, Swine and Poultry Manure	Yasuyuki Fukumoto	Pollution Control Research Team, National Institute of Livestock & Grassland Science, Japan
					Reduction of the electricity charges by leveling of power consumption profile at dairy farms with biogas plants	Shiho ISHIKAWA	Hokuden General Engineering Design and Consulting Co., Inc

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Sep.22				Degree of human satisfaction of dairy farmers in a district of Tokachi area, Hokkaido, Japan – Comparison between data at present and ten years ago –	Miho Sasaki	Rakuno Gakuen University	
				Seasonal Changes in Energy Outputs for Three Different Biogas Utilization Method	Hiroyuki Nakayama	Civil Engineering Research Institute for Cold Region	
	13:00 – 14:20	B	Oral Session	remort sensing	Determination and Sensitivity of Crop Water Stress Index with Thermal Remote Sensing Imagery	Shamaila Zia	Agricultural Engineering in the Tropics and Subtropics (440e), Universität Hohenheim, Germany
					K-means based Land Use Supervised Classification	Baofeng Su	Graduate School of Agriculture, Hokkaido University, Japan
					The Development and Test of a Multi-spectral Camera for Foliage Analysis	Ze Zhang	Graduate School of Agriculture, Hokkaido University, Japan
					Assessment of Water Quality of Marsh by Combing Multiple Remote Sensing Platforms with GIS	Ryoma Mochizuki	Graduate School of Agriculture, Hokkaido University, Japan
	13:00 – 15:00	C	Oral Session	agricultural machinery and farm buildings	Historical Development of Spot Plough and Possibilities for Contemporary Applications	Koichi Shoji	Graduate School of Agriculture, Kobe University, Japan
					Overview of an Air-Assisted Seeding Technology and the Development of an Experimental Platform	Tadashi Chosa	Tokyo University of Agriculture and Technology, Japan
					Problematics of Systems Safety in ISOBUS Class 3 based Tractor-Implement Combinations	Ari Ronkainen	MTT Agrifood Research Finland, Finland
					Emergency Ventilation and Alarm Equipment for Ventilation Breakdown in Animal Houses with Mechanical Ventilation	Sven A. Nimmermark	Swedish University of Agricultural Sciences, Dept of Rural Buildings, Sweden
					Study on the Pneumatic Sequential Control System of Vacuum Pressure Impregnation Equipment	Qinghua Han	Agro-product Processing Engineering Center, Chinese Academy of Agricultural Mechanization Sciences, P.R.China
					Modeling of Repair and Maintenance Costs of Universal 650 Tractors in Iran	Iraj Ranjbar	Department of Agricultural Machinery, Faculty of Agriculture, Islamic Azad University, Takestan
	13:00 – 15:00	D	Oral Session	drying	Modelling of Air Resistance During Drying of Wood-Chips	Shkelqim Karaj	Institute of Agricultural Engineering 440e, University of Hohenheim, Germany
					Effects of Low Final Moisture and Drying Air Temperature on the Quality Maintenance and Breakage of Tarom	Ebrahim Taghinejad	MSc student of Agricultural Machinery, University of Tarbbiat Moddaress, Tehran, Iran
					Effects of Drying Process on Aromatic Components of Aromatic Rice	Atsumi Toshihiko	Tokyo University of Agriculture and Technology, Japan
					Monitoring Quality Change of Tropical Fruits During Drying by Application of Laser Light at Different Wavelengths	Giuseppe Romano	University of Hohenheim, Institute of Agricultural Engineering, Germany
					Convective Drying and Desorption Isotherms of Shiitake (Lentinula Edodes)	Dimitrios Argyropoulos	Institute of Agricultural Engineering, Universität Hohenheim, Germany

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Sep.22					Study of Several Seed Moisture Content at Harvesting and Different Drying Trail and its Effect on the Quality and Quantity of Canola Grain and the Energy Loss after Drying – In the North of Iran	Zahra Sadat Hashemi	Khouzistan Agricultural Sciences and Technology University, Ahwaz, Iran
	13:00 – 15:00	F	Organized Session 7	Postharvest Technologies of Grain: Structures, Facilities, Quality and Safety Issues	Development of Technique for Sorting Wheat Grain by Combined Use of Gravity Separator and Optical Sorter	Keisuke Hara	Tokachi Agricultural Experiment Station, Hokkaido Research Organization, Japan
					Drying Characteristics in Brown Rice–Husk Mixed Drying Method	Kiyokazu Goto	Faculty of Applied Biological Sciences, Gifu University, Japan
					Accuracy of Practical Use of Near–infrared Spectroscopy for Determining Grain Constituent Contents at Grain Elevators	Rui Li	Graduate School of Agricultural Science, Hokkaido University, Japan
					Development of a Fine Sorting System for Brown Rice by Using a Gravity Separator	Shuo Qiu	Graduate School of Agricultural Science, Hokkaido University, Japan
					Development of New Techniques for Storing Rice by Using Renewable Cold Energy Generated from Snow	Takamasa Doi	Graduate School of Agricultural Science, Hokkaido Univ, Japan
					The Pre–Drying Process of Oil Seeds and the Effect on Oil Quality – Classification of Rapeseed by Winnower and the Kernel Damage of Sunflower –	Genta Kanai	NARO, Japan
					Evaluation of Far–Infrared Radiation Grain Dryer	Yasuyuki Hidaka	Institute of Agricultural Machinery, NARO, Japan
					Utilization of Brown Rice–Rice Husk Mixed Drying System	Somchai Keawkaika	Satake Corporation, Japan
					Non–destructive Detection of Damaged Raw Unhulled Grains Using Hyper–Spectral	Yosuke Kubota	Institute of Agricultural Machinery, Japan
					15:20 – 16:00	B	Oral Session
	Field Network System to Monitor Paddy Fields in the System of Rice Intensification in Indonesia	Chusnul Arif	Department of Global Agricultural Sciences, the University of Tokyo, Japan				
	15:20 – 16:00	E	Oral Session	biomass (2)	Investigation of Biogas Production Efficiency by Application of Agricultural Residues	Soodabeh Saeidi	Department of Biosystem and Agricultural Machinery Engineering, Agricultural Sciences and Natural Resources Univ, Sari, Iran
					Fine–crushing of Bamboo for its Hydrolysis for Bioethanol Production – Effect of Pore Diameter of Rotary Sieve on Glucose Yield and Specific Energy Requirement –	Koichi Shoji	Graduate School of Agriculture, Kobe University, Japan
	15:20 – 17:20	F	Organized Session 9	Biomass & Bioenergy in Agriculture – State of the Art and Prospect –	AIST Bioethanol Production Technology from Rice Straw – Section 4, Bioenergy in Agriculture	Shigeki Sawayama	Graduate School of Agriculture, Kyoto University, Japan
					The Performance of Centralized Biogas Plant in Cold–Snowy Region	Kazutaka Umetsu	Obihiro University of Agriculture and Veterinary Medicine, Japan
Catalytic Gasification of Bean Curd Refuse in Supercritical Water					Takafumi Sato	Department of Material and Environmental Chemistry, Utsunomiya Univ., Japan	

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Sep.22				Thermal Pretreatment of Wet Microalgae Harvest for Efficient Hydrocarbon Recovery	Akinari Magota	Laboratory of Biological and Mechanical Engineering, Graduate School of Agricultural and Life Sciences, The University of Tokyo,
				Optimization Air Supply on Cattle Manure Composting in Packed-Bed Reactor	Joko Nugroho Wahyu Karyadi	Graduate School of Life Environmental Sciences, University
			Poster Session	Malachite Green Adsorption by Activated Carbon from Aquaculture Waste Water	Jia Liu	Department of Biological and Agricultural Engineering, University of California, Davis, The United States
				Development and Agricultural use for Simple Soil Moisture Meter Using the Air Infiltration Characteristics of a Porous Cup	Yoshitaka Kurose	National Agricultural Research Center for Western Region, Japan
				A Kinetic Model of Root Ion Absorption Integrated with Transpiration for Application to Sustainable Agriculture	Yuki Sago	Faculty of Agriculture, Kyushu University, Japan
				Electrochemical Oxidation of Oxytetracycline Contained in Waste Milk	Yumika Kitazono	Department of Agricultural Engineering, Kobe University, Japan
				Energy-Saving Temperature Control in Protected Cultivation of Evergreen Fruit Trees based on Post-Oil New Heating System and Fruit Physiology	Eriko Yasunaga	Graduate School of Agricultural and Life Sciences, The University of Tokyo, Japan
				Electrochemical Oxidation of Refractory Organic Matters in Dairy Wastewater	Gen Yoshida	Graduate School of Agricultural Science, Kobe University, Japan
				Rationale and Principles of Selecting Machinery and Equipment in Mechanised Dairy Farming	Nyamgerel Bartseren	Engineering school, Mongolian State University of Agriculture, Mongolia
				3D Intelligent Guidance Simulation System and Navigation Control Method Design for Agriculture Vehicle	Wenqiang Ma	Key Laboratory of Modern Precision Agriculture System Integration of Education Ministry, Agricultural University, China
				Effects of Auxiliary Airflow in External Side of Seeding Tube in Air-Assisted Seeding for Rice Paddy	Loan Thi Thanh Nguyen	Tokyo University of Agriculture and Technology, Japan
				Prototype Development and Evaluation of a Self Calibrating Herbicide Applicator under South African Conditions	Thato MH. Kgaphola	Agricultural Research Council, South Africa
				Influence of Atmosphere Transparency on the Crops Maturation	Gennady S. Kudriashev	Irkutsk State Academy of Agriculture, Russia
				Design of 3D Vehicle Intelligent Guidance Simulation System based on Microsoft Robotic Developer Studio	Wenqiang Ma	China Agricultural University, P. R. China
				Development of a Crop Water Stress Detector Based on Electrical Property of Leaf	Zhuo Wang	Key Laboratory of Modern Precision Agriculture System Integration Research, Ministry of Education, China Agricultural University, China
			Development of a Soil EC Sensor Network Based on Wireless Technology	Ao Li	Key Laboratory of Modern Precision Agriculture System Integration Research, Ministry of Education, China Agricultural University, China	
			Heat Recovery from Bamboo Chips during Composting Process	Hirakazu Seki	College of Science and Technology, Kanazawa Univ., Japan	

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Sep.22	16:20 – 18:00	P		Development of Eco Driving System for Agricultural Tractor	Seokho Park	National Academy of Agricultural Science, RDA, Korea
				Fundamental Experiments on Effective Application of Solar Energy on Slope for Nighttime Heating in Greenhouse	Katsushi Ohwatari	Faculty of Agriculture, Kyushu University, Japan
				Process Control of Heat Recuperation from Compost Heap with the Measurement of Process Parameters with LabView	Maciej Neugebauer	University of Warmia and Mazury in Olsztyn, Poland
				An Experimental Producing and Studying of Biodiesel Fuel – in Mongolia	Enkhbayar Gonchigorj	Engineering School, MSUA, Mongolia
				Ecologically Pure Solar Equipment for the Destruction of Insects	Takeda Koichi	Akida Prefectural University, Japan
				An Experimental Producing and Studing Biodiesel – In Mongolia	Enkhbayar Gonchigorj	Engineering school, Mongolian State University of Agriculture, Mongolia
				Investigating the Effects of Energy Use in Field Operations on Yield Value of Sunflower Production	Seyed Hashem Mousavi-Avval	Department of Agricultural Machinery Engineering, Faculty of Agricultural Engineering and Technology, University of Tehran, Karaj, Iran
				Comparisons of Research of Wear Resistance of the Sweep Cultivators	Ganbat Ulziikhutag	Engineering school, Mongolian State University of Agriculture, Mongolia
				Cropping Sub-Sector of Mongolia	Enkhbayar Gonchigorj	Engineering school, Mongolian State University of Agriculture, Mongolia
				Experimental Determination and Modelling of the Sorption Isotherms of Corn Seeds	Andre Talla	National Advanced School of Engineering, University of Yaounde I, Cameroon
				Effect of Frozen Storage and Yeast Amount on Viscoelastic Behavior and Microbial Properties of Kouglhopf Frozen Sweet	Smail Meziani	Nancy-Université, ENSAIA-INPL, Laboratoire d'Ingénierie des Biomolécules (LIBio), France
				Impacts of Dietary Changes and Increasing Human Population on Food Production	Hashemi Sadat Zahra	Agricultural mechanization Eng, Department of Agricultural Machinery Khuzistan Agricultural Sciences and Technology University, Ahwaz, Iran
				Study of Several Seed Moisture Content at Harvesting and Different Drying Trail and its Effect on the Quality and Quantity of Canola Grain and the Energy Loss after Drying – In the North of Iran	Shunji Ohta	Faculty of Human Sciences, Waseda University, Japan
				Study on Agricultural Use of Mineral Spring Water in Sambagawa Belt	Midori Hikashi	Kochi University, Japan
				Enhancing Soybean Germination in Arid Areas with H2O2 Pretreatment	Eman Fadel Awad-Allah	The United Graduate School of Agricultural Sciences, Ehime University, Matsuyama, Japan
				Impact of Irrigation on Carbon Sequestration Potential in Calcareous Soils under Rice Based Cropping Pattern	M Hasinur Rahman	1PlusGroup Ltd., Horticulture Innovation Centre, Newnham Park, Te Puna, Tauranga, New Zealand
				Material & Energy Flow and Economic Evaluation in Food Factory: Waste Water Treatment System with Recovery Equipment for Animal Fat	Ryozo Noguchi	Graduate School of Life and Environmental Sciences, University of Tsukuba, Japan

Date	Time	Hall	Session Title	Title	Name	Affiliation
				Ready-to-Eat Foods Safety: Detection and Potential Spread of Beta-Lactams Resistance Genes in Bacteria	Paula Amador	Agricultural College of Coimbra, Polytechnic Institute of Coimbra, Portugal
				Calculation of Regional Hybridization Rates of Rice	Shoichiro Yonemura	National Institute of Agro-Environmental Sciences, Japan
				Utilization of Synthetic Sewage Sludge Aggregates as Containerized Substrates for Ornamentals	Guttila Y. Jayasinghe	The United Graduate School of Agricultural Sciences, Kagoshima University, Kagoshima, Japan
				Creation of Vibrant Local Communities that Utilize the Environmental Education	Seiji Hayakawa	Yamaguchi University, Japan
				GeoSense: Geo-ICT and Wireless Sensor Network based Dynamic Real-time System for Precision Agriculture	Sudharsan Dhanachandran	Centre of Studies in Resources Engineering, Indian Institute of Technology Bombay, Powai, Mumbai, India

Date	Time	Hall	Session Title	Title	Name	Affiliation	
Sep.23	9:00 – 10:40	B	Oral Session	soil and crop management	Sustainable Control of Soil Salinity in Irrigated Crop Fields under Desertification – 1. Seasonal change in soil salinity of a field in the Yellow River basin	Daisuke Yasutake	Faculty of Agriculture, Kochi University, Kochi, Japan
					Sustainable Control of Soil Salinity in Irrigated Crop Fields under Desertification – 2. Salt Transport Driven by Roots and Proposal for Salinity Control Technologies	Masaharu Kitano	Faculty of Agriculture, Kyushu University, Japan
					Potato Production Impacts of the Association Trichoderms and TRV in Naturally Infected Fields	Isabel M. Duarte	Environmental Department, Agricultural College of Coimbra, Polytechnic Institute of Coimbra,
					Ultrasonic Activation of Water in Presence of Quartz Porphyry and its Effects on Vernalization for Wheat	Emelie C. Ablaza	The United Graduate School of Agricultural Sciences, Ehime University, Japan
					Finite Element Modeling of Soil Sinkage by Multiple Loadings	Majid Rashidi	Department of Agricultural Machinery, Faculty of Agriculture, Islamic Azad University, Takestan
	9:00 – 10:40	C	Oral Session	new sensing technology	Application of Terahertz Spectroscopy to Determine the Frozen State of Plant	Uzuki Matsushima	Faculty of Agriculture, Iwate University, Japan
					In situ Monitoring of Pesticide Residues on the Surface of Tomato Fruit with Ultraviolet Matrix – Assisted Laser Desorption/Ionization Mass Spectrometry	Hiroshi Nonami	Plant Biophysics/Biochemistry Research Laboratory, Faculty of Agriculture, Ehime University, Japan
					Development of a Crop Water Stress Detector Based on Electrical Property of	Zhuo Wang	China Agricultural University, P. R. China
					Decontamination of Black Peppercorn (Piper Nigrum L.) Using Microwave – Generated Low Pressure Air Plasma	Dimitrios Argyropoulos	Institute of Agricultural Engineering, Universität Hohenheim, Germany
	9:00 – 9:40	D	Oral Session	rural planning	Evaluation of the Agricultural and Rural Development Interrelationship; Using Canonical Correlation Analysis (CCA)	Abbas Amini Fasakhodi	Department of Geography, University of Isfahan, Isfahan, Iran
					Spatial Assessment of Rural Industrialization – Markazi Province, Central	Siamak Zabihi	Agricultural Economics, Islamic Azad University, Arak Branch, Arak, Iran
		E	Organized Session 12	Air, Water and soil pollution	Effects of Ozone and Peroxides on Thai and Japanese Rice – Visible Foliar Injuries	Prathomrak Na-Ngern	Graduate School of Agriculture, Tokyo University of Agriculture and Technology, Japan
					Effect of Ozone and Peroxides on Leaf Injury and Physiological Responses of Two Japanese and Two Thai Soybean Cultivars	Cattleya Chutteang	Tokyo University of Agriculture and Technology, Japan
					Effect of 13-year Swine-manure Application on Soil Hydraulic Properties and Physico-chemical Properties	Hiroataka Saito	Tokyo University of Agriculture and Technology

Date	Time	Hall	Session Title		Title	Name	Affiliation
Sep.23	9:00 – 11:20	F	Organized Session 8	Rural Amenities in Eastern Asia	On the Effect of Rural–Urban Interchange Activities from the viewpoint of Human Resources Development in Rural Village Communities	Midori Sunahara	Graduate School of Frontier Sciences, Univ. of Tokyo, Japan
					A Study of Rural Amenity Resources Survey and Applications in South Korea	Jung Namsu	Kongju Nat'l University
					Some Rural Amenity Building Cases in Northern Taiwan	Lung-Ming Tsai	Chinese Culture University
					Villagers' Cognition and Willingness Expression of Participating in Rural Planning in the South of Jiangsu Province	Wang Lei	Tianjin University