

(As of November ●, 2015)

12:40-14:00 Poster Display Room (Sakura)

PS 1-5 Creating a resilient economy

PS 1-5-1

Strengthening disaster risk management by learning from past disasters

Mikio Ishiwatari (Japan International Cooperation Agency, Japan)

PS 1-5-2

Analysis supporting tools for developing business continuity plan

Kenji Ono (Disaster Prevention Research Institute, Kyoto University, Japan)

12:40-14:00 Poster Display Room (Sakura)

PS 2-5 Energy management

PS 2-5-1

Model of the Cost Control for UHV Power Transmission Project

Yang Ji (NingXia Electric Power Transmission and Substation Engineering Company, State Grid Ningxia Electric Power Company, China)

PS 2-5-2

Thermal Management Technique Using Control of Thermal Radiation Spectrum for Electronic Devices Encapsulated with Semi-transparent Materials

Shinichiro Tsuda (Mechanical Systems and Design, Tohoku University, Japan)

PS 2-5-3

The Practical Limits of Renewable Energy Integration into Global Energy Consumption

Christopher O. Chukwunta (Young Engineers Future Leaders Committee, World Federation of Engineering Organizations, United Kingdom / Imperial College London)

PS 2-5-4

Optimal uncertain scheduling of hydro-thermal power system by profit-risk model

Yuanzheng Li (School of Hydropower and Information Engineering, Huazhong University of Science and Technology, China)

12:40-14:00 Poster Display Room (Sakura)

PS 2-6 Smart grid, smart community

PS 2-6-1

The Presentation of the Concept on the Solar Energy Utilization - from the Solar Model House until the Solar Community with 4000 Dwellers 960 Families -

Kunihisa Kakumoto (Architecture & Urban Laboratory K2, Japan)

PS 2-6-2

Load Management System Design For Smart House In A Dynamic Pricing Environment and The Possibilities of Blackout

Aiman Setiawan (Electrical Engineering, University of Indonesia, Indonesia)

PS 2-6-3

Development of Integrated Power System Stabilizing Control System as a Smart Grid Technology

Takashi Oka (Power System Operations Department, Power System Engineering Section, Chubu Electric Power Co., Inc., Japan)

PS 2-6-4

System configuration and Experimental results of the Integrated Smart Grid Evaluation System

Yasuyuki Miyazaki (Toshiba Corporation, Japan)

PS 2-6-5

Isolated Operation at Hachinohe Micro-Grid Project

Tomihiko Takano (Solution Engineering Dept., Mitsubishi Electric Corp., Japan)

12:40-14:00 Poster Display Room (Sakura)

PS 3-5 Process technology for sustainability

PS 3-5-1

Analysis of energy and carbon dioxide (CO₂) balance in harvesting forest biomass for energy use as exemplified by the Polish forestry

Piotr Maria Paschalis Jakubowicz (Department of Forest Utilization, Warsaw University of Life Sciences, Poland)

PS 3-5-2

Case Study on the zero emission manufacturing in Japanese cutting edge materials industries to enhance their global competitiveness

Mitsuhiko Kurashige (Graduate School, Entrepreneur Engineering Course, Kochi University of Technology, Japan)

PS 3-5-3

The study of wood traceability system -Demonstration in Shin-Etsu area-

Yohei Soehara (Faculty of Engineering, Department of Architecture, Shinshu University, Japan)

PS 3-5-4

Development of a natural Food Product from Aloe Vera Barbadosensis variety grown in Santa Rosa de Cabal Risaralda Colombia

Carlos F. Cardona (Agricultural Center, Servicio Nacional de Aprendizaje, University Technology of Pereira, Colombia)

PS 3-5-5

Synthesis and Characterization of Poly (butanediol terephthalate-co-lactic acid) (PBDT-co-PLA) Copolymer

Paranee Sriromreun (Chemical Engineering, Srinakharinwirot University, Thailand)

PS 3-5-6

Microscopic Free Volume Model for Diffusivity Prediction in Polymeric Systems

Hidenori Ohashi (Yamaguchi Laboratory, Chemical Resources Laboratory, Tokyo Institute of Technology, Japan)

PS 3-5-7

Evaluation of Amelioration Process of Degraded Soil in China Using Desulfurization By-products

Yuji Sakai (Department of Environmental Chemistry and Chemical Engineering, Kogakuin University, Japan)

12:40-14:00 Poster Display Room (Sakura)

PS 3-6 Agricultural machinery and food engineering, agricultural mechanization, agricultural structures**PS 3-6-1****DEVELOPMENT OF AN INTEGRATED GROUNDNUT OIL EXTRACTION MACHINE FOR SMALL SCALE PROCESSORS**

Ibrahim Lawan (Agricultural Engineering, Bayero University Kano, Nigeria)

PS 3-6-2**Development of Groundnut Sheller**

Aliyu I. Muhammad (Agricultural Engineering Department, Bayero University, Kano, Nigeria)

PS 3-6-3**DEVELOPMENT OF SOYBEAN THRESHER**

Rabi K. Ahmad (Department of Agricultural Engineering, Bayero University, Kano, Nigeria)

PS 3-6-4**A Project on Soil Remediation and Salt-removing for Tsunami-affected Farmland of the Great East Japan Earthquake by Improvement Technology of Using Woodchip-mixed Materials**

Hideo Sugimoto (Environmental Engineering Department, Obayashi Corporation, Japan)

PS 3-6-5**Hypoxic Gel Ice Storage Extends the Shelf Life for Marine Species Compared with Block Ice Storage**

Ryota Hosomi (Chemistry, Materials and Bioengineering, Kansai University, Japan)

12:40-14:00 Poster Display Room (Sakura)

PS 4-5 Construction technology and management**PS 4-5-1****The Urban Transformation Process in Turkey**

Cigdem Avci Karatas (Transportation Engineering Department, Engineering Faculty, Yalova University, Turkey)

PS 4-5-2**Analysis about the influence of railway station buildings induced by large-diameter shield tunneling with the consideration of soil small strain stiffness**

Wenhao Zou (China Academy of Railway Sciences, China)

PS 4-5-3**Inclined-Braceless Excavation Support (IBES) –Cantilever Braceless Earth-Retaining Walls Applicable to Deep C&C Excavation Works–**

Yoichi Shimada (Civil Engineering Technology Division, ODAYASHI Corporation, Japan)

PS 4-5-4**A simple on-site non-destructive evaluation method for the cover concrete quality by flow characteristics of the sprayed water**

Sohei Nishio (Materials Technology Division (Concrete Materials), Railway Technical Research Institute, Japan)

PS 4-5-5**Development of Blasting Sound Reducer for Tunnel Construction and On-site Tests**

Yasuhiro Honda (Technical Research Institute, Obayashi Corporation, Japan)

PS 4-5-6**The Case Study of Construction Information Modeling/Management for DAM**

Teruaki Kageyama (R&D, Japan Construction Information Center, Japan)

PS 4-5-7**New ecological concrete “CO₂-SUICOM” reducing CO₂ emissions below zero**

Yuichi Kouchi (Civil Engineering Department Power System Division, The Chugoku Electric Power Co., Inc., Japan)

PS 4-5-8**Obara Dam Project - Preservation of Environments and Advances of Regional Harmony**

Hiroyuki Nishi (Ministry of Land, Infrastructure, Transport and Tourism, Izumo River Office, Japan)

PS 4-5-9**Short brackets at beam-to-column connections in steel structures**

Hiroshi Tagawa (Hiroshima University, Japan)

PS 4-5-10**Construction of Steel-concrete composite arch bridge -Otagawa-Ohashi Bridge-**

Ken Kobayashi (Structure Design Group, Design Department, Civil Engineering Technology Division, Shimizu Corporation, Japan)

PS 4-5-11**STUDY AND APPLICATION OF UNDERGROUND EXCAVATION TECHNOLOGY OF TUNNEL WITH FREEZING-SEALING PIPE ROOF ADVANCED SUPPORT**

Zhihong Li (The Management Center of Zhuhai Link Road of Hong Kong-Zhuhai-Macao Bridge, China)

PS 4-5-12**MULTIDIMENSIONAL INFRASTRUCTURE DETERIORATION PROCESS MODEL USING COPULA**

Kiyoyuki Kaito (Osaka University)

PS 4-5-13**Seismic Retrofit of Reinforced Concrete Frame Structures using Laminated Veneer Lumber Shear Walls**

Takeshi Fukuhara (Takenaka Corporation Research & Development Institute, Japan)

PS 4-5-14**Contribution to computerization in construction field by the Infrastructure Information Standardization Committee**

Masanori Koide (Construction Information Research Institute, Japan Construction Information Center, Japan)

PS 4-5-15**Construction of Underground Rock Caverns for National LPG stockpiling base**

Tatsuya Iwahara (LPG Stockpile Management Department, Japan Oil, Gas and Metals National Corporation, Japan)

PS 4-5-16**CONSTRUCTION OF A BUTTERFLY WEB BRIDGE**

Kenichi Nakatsumi (Sumitomo Mitsui Construction Co., Ltd., Japan)

PS 4-5-17**Preservation and Restoration of the Tokyo Station Marunouchi Building**

Kazuhiko Ishiwata (JR East Consultants Company, Japan)

PS 4-5-18

Priest Cícero Romão Batista statue: Pathologies presented after 43 years of building

Roberto Wagner Leite Machado (Secretariat of Cities, Government of the State of Ceará, Brazil)

PS 4-5-19

Long-distance excavation of large dimensional shield tunnels and construction of ramp ways with the cutting shield tunnel method in an urban area

Takayuki Noami (Metropolitan Expressway Company Limited, Japan)

PS 4-5-20

Development of Bridge Seismic Design Specifications in the Republic of the Philippines

Takayuki Tsuchida (Transport Development Division, CTI Engineering International Co., Ltd., Japan)

PS 4-5-21

Study on Construction Technologies of Radiant Beam String Structure Supported by Special-shaped Steel Columns

Kang Ma (School of Civil Engineering, Southeast University, China)

PS 4-5-22

NEW APPROACH FOR TACKLING THE INFRASTRUCTURE PROJECTS FINANCING CHALLENGES

Project Finance Self-Sufficiency (PFSS) concept

Ali Torki (Ahoora, Iran)

PS 4-5-23

Shear Strength of Cold-formed Thin-walled Steel Reinforced Concrete Shear Walls Using Softened Strut-And-Slip Model

Zhf Xu (College of Civil Engineering, Southeast University, China)

PS 4-5-24

Building innovative engineering research and development

Lixiaohong X Li (Technical Department, China)

PS 4-5-25

Crack/joint measurement of ancient masonry structures using photogrammetry at Bayon central tower, Angkor ruins, Cambodia

Tomofumi Koyama (Safety Science, Kansai University, Japan)

12:40-14:00

Poster Display Room (Sakura)

PS 4-6 Innovation for maintenance and renovation of sustainable civil infrastructure

PS 4-6-1

AUTOMATIC GENERATION OF FINITE ELEMENTS FOR A PLANE ELASTIC CONTINUUM USING TRIANGULAR ELEMENTS

Jones Nwadike (Highway, Nigerian Society of Engineers, Nigeria)

PS 4-6-2

The business of managing roads sustainably - beyond the short term

Emeka Agbasi (Multilateral and Special Duties, Federal Roads Maintenance Agency (FERMA), Nigeria, (formerly Highways Agency UK), Nigeria)

PS 4-6-3

Mechanical Analysis and Applications of An Innovative Rehabilitation Method for Aged Steel Railway Bridges

Weiwei Lin (Departmental of Civil and Environmental Engineering, Waseda University, Japan)

PS 4-6-4

STUDY ON RETROFIT EFFECT BY SFRC OVERLAY FOR EXISTING ORTHOTROPIC STEEL DECK WITH FATIGUE CRACK THROUGH RIB-TO-DECK WELD

Jun Murakoshi (Public Works Research Institute, Japan)

PS 4-6-5

Dual Anchored Sheet Pile Wall Method - Technological Development for Deepening/Seismic Enhancement of Existing Quay Walls in Operation

Kazuhisa Noda (Design Department No. 3, Civil Engineering Technology Division, OBAYASHI Corporation, Japan)

PS 4-6-6

Data Oriented Approach - Pavement Management System, Case Study of Kyoto Model Implementation in Vietnam

Kazuya Aoki (PASCO CORPORATION, Japan)

PS 4-6-7

Maintenance management of a RC bridge wall rail damaged by frost and salt considering the degradation path

Maki Mizuta (Civil Engineering Research Institute for Cold Region, Public Works Research Institute, Japan)

PS 4-6-8

Urban infrastructure improvement in mature society (Case study of Machida city-Tokyo)

Kiichi Obata (Science & Tech. for Future Life School, Architecture Dept., Tokyo Denki University, Japan)

PS 4-6-9

Construction of Stacked Loaded Arch Tunnel in Upper-soft Lower-hard Rock Stratum

Song Chaoye (China Railway Tunnel Survey & Design Institute Co., Ltd., China)

PS 4-6-10

Application of the shortest path algorithm of slime mold in optimization design of city road network

Hongya Tang (School of Architecture and Art, Hefei University of Technology, China)

PS 4-6-11

Assessing internal damage in concrete using acoustic emission test thru convex hull visualization

Jason C. Ongpeng (Civil Engineering Department, De La Salle University Manila, Philippines)

PS 4-6-12

New lining soundness survey in deep shafts utilizing digital video cameras

Mitsugu Nomura (Tohoku Office, CTI Engineering Co., Ltd., Japan)

PS 4-6-13

Bearing Capacity Investigation of I beam with corrugated FRP Webs

Jianhua Zhang (College of Aerospace and Civil Engineering, Harbin Engineering University, China)

PS 4-6-14**Mechanical Behavior Of New Square Concrete-Filled Steel Tube Composite Column Under Axial Load**

Jianhua Zhang (College of Aerospace and Civil Engineering, Harbin Engineering University, China)

12:40-14:00

Poster Display Room (Sakura)

PS 5-5 Innovative telecommunications technologies**PS 5-5-1****Development of dynamic real-time system to support tourist activities**

Kayoko Yamamoto (Graduate School of Information Systems, University of Electro-Communications, Japan)

PS 5-5-2**Developing Mobile E-learning System with University Student Involvement**

Piya Techateerawat (Electrical and Computer Engineering, Thammasat University, Thailand)

PS 5-5-3**Wireless indoor localization technologies for improved safety, management and logistics**

Maciej Nikodem (Faculty of Electronics, Wrocław University of Technology, Poland)

PS 5-5-4**Diamonds in data mining (leveraging big data)**

Essobmadje Reine (WFEO - Women in Engineering, France)

PS 5-5-5**Construction Method of Fingerprint Database for WLAN Localization**

Shun Matsui (Graduate School of Science and Technology, Keio University, Japan)

PS 5-5-6**MIMO pilot signals and selective retransmission scheme for high throughput wireless LANs**

Tsuguhide Aoki (Research & Development Center, Toshiba Corporation, Japan)

PS 5-5-7**Best Practices and Future Action Plan of Resilient ICT Systems for the DRRM in the Philippines**

Daisuke Fujita (Disaster Management Division, CTI Engineering International Co., Ltd., Japan)

PS 5-5-8**Design of low power all-optical networks under four-wave mixing constraints**

Kouji Hirata (Engineering Science, Kansai University, Japan)

12:40-14:00

Poster Display Room (Sakura)

PS 6-5 Innovation of cutting-edge technology and next generation devices**PS 6-5-1****Forecasting of vehicle development in 2030**

Sebastian Koziol (Mechanical Engineering, Wrocław University of Technology, Poland)

PS 6-5-2**Single-cylinder Fluid-controlling-velocity Plate-Magnetic-Coupling**

Qifei Li (China)

PS 6-5-3**Calibration of Digital Real Time Oscilloscope with High-Speed Photodetector**

Pengwei Gong (Beijing Institute of Radio Metrology and Measurement, China)

PS 6-5-4**Development of Ultrafast and High-Density Magnetic Recording System Using Multiphysics Simulation**

Shinichiro Ohnuki (College of Science and Technology, Department of Electrical Engineering, Nihon University, Japan)

12:40-14:00

Poster Display Room (Sakura)

PS 6-6 Advanced functional materials**PS 6-6-1****Development of Ultra High-Voltage Atomic-Resolution Holography Electron Microscope**

Hiroyuki Shinada (Hitachi, Ltd., Japan)

PS 6-6-2**Overcoming the quality-quantity tradeoff in dispersion and printing of carbon nanotubes by a repetitive dispersion-extraction process**

Hirofumi Shirai (Department of Applied Chemistry, School of Advanced Science and Engineering, Waseda University, Japan)

PS 6-6-3**Corrosion, mechanical and structural properties of protective thin films on Ti6Al4V titanium alloy**

Marcin Grobelny (Motor Transport Institute, Poland)

PS 6-6-4**Localization of Metal Particles in Semicrystalline/Noncrystalline Polymer Blends and Their Positive Temperature Coefficient Behavior**

Takashi Nishiyama (Department of Applied Chemistry and Bioengineering, Osaka City University, Japan)

PS 6-6-5**Photoinduced Bending Behavior of Gold-Coated Diarylethene Crystals**

Daichi Kitagawa (Graduate School of Engineering, Osaka City University, Japan)

PS 6-6-6**Photoactuator of Photochromic Diarylethene Crystals**

Seiya Kobatake (Graduate School of Engineering, Osaka City University, Japan)

PS 6-6-7**Silica Nanoparticles Covered with Diarylethene Polymers for Photochromic Pigment**

Katsuya Shimizu (Graduate School of Engineering, Osaka City University, Japan)

12:40-14:00 Poster Display Room (Sakura)

PS 7-5 Recovery from disease: Part 3 (Regenerative medicine, tissue engineering)

PS 7-5-1

Study of Articular Cartilage Damage Caused by Meniscal Injury Using FEM-DEM Multi-Physics Analyses

Sayo Yamamoto (Biomedical Engineering, Doshisha University, Japan)

PS 7-5-2

Stress Evaluation of Articular Cartilage and Chondrocyte Based on Multi-scale and Multi-physics Finite Element Methods

Tomohiro Noma (Biomedical Engineering, Doshisha University, Japan)

12:40-14:00 Poster Display Room (Sakura)

PS 7-6 Sustaining good health (Medical and healthcare devices)

PS 7-6-1

DEVELOPMENT OF THE SOFT AIR ACTUATOR DEVICES FOR FLOW PHANTOM APPARATUS AND POSTURE HOLDING DEVICE IN MRI GANTRY

Kentaro Ogura (Electronics and Control, National Institute of Technology, Tsuyama College)

PS 7-6-2

Simulation of Transmission Efficiency of Ions Injected into Quadrupole Mass Spectrometer Equipped with Pre Filters

Kiyomi Yoshinari (Center for Technology Innovation - Controls, Hitachi, Ltd., Research & Development Group, Japan)

PS 7-6-3

Novel approach for reduction of sleep latency using pressure stimulus on the human neck

Yusuke Sakaue (Graduate School of Science and Engineering, Ritsumeikan University, Japan)

PS 7-6-4

A web-based application for improving childcare quality: A longitudinal study

Taeko Watanabe (Faculty of Health Sciences, Japan University of Health Sciences, Japan)

PS 7-6-5

The Relationship between Parental Stress and Child-Rearing Behaviors: Using the Cloud Computing-Based Support System for Comprehensive Childcare

Emiko Tanaka (Faculty of Medicine, University of Tsukuba, Japan)

PS 7-6-6

Medical Device Innovation: From Unmet Clinical Needs to Value Creation

Fong-Chin Su (Medical Device Innovation Center/Department of Biomedical Engineering, National Cheng Kung University, Chinese Taipei)

PS 7-6-7

Design and Development of a Stabilizer for In-office Ventilation Tube Applicator

Kok Kiong Tan (Electrical and Computer Engineering, National University of Singapore, Singapore)

PS 7-6-8

Development of a Compact-Sized Falling Needle Rheometer for Flow Analysis for Human Blood

Hideki Yamamoto (Environmental and Urban Engineering, Kansai University, Japan)

12:40-14:00 Poster Display Room (Sakura)

PS 8-3 Science & technology based on the societal trust & communication, Part 2: For the society of robust and secure infrastructure

PS 8-3-1

Seismic Fortification Length of Highway Tunnel Portals

Changan Zhu (Sichuan Provincial Transportation Department Highway Planning, Survey, Design and Research Institute, China)

PS 8-3-2

Developing markets for innovative sustainable solutions - Case study: Biopolymers

Tijana Duric (Biopolymers, BASF SE, Germany)

PS 8-3-3

Science and technology based on the societal trust and communication for Disaster Prevention Education: Take Promoting Regional Services Group in Central Regions of Taiwan as an example

Yitzu Lin (Department of Civil Engineering, National Chi Nan University, Chinese Taipei)

PS 8-3-4

Mechanical Behavior of New Square Concrete-filled Steel Tube Composite Column Under Axial Load

Jianhua Zhang (College of Aerospace and Civil Engineering, Harbin Engineering University, China)

PS 8-3-5

Development of new passive autocatalytic recombiner using an automotive catalyst

Yasuo Nishihata (Quantum Beam Science Center, Japan Atomic Energy Agency, Japan)

12:40-14:00 Poster Display Room (Sakura)

PS 8-4 Engineering qualification systems and ethics

PS 8-4-1

Unique CPD Program on Japanese Engineers catalyzed by US Engineering Licensure system

Takeya Kawamura (Director, President, Japan Society of Professional Engineers (NPO), Japan)

PS 8-4-2

Model Analysis of the General and Administrative expense of Public Construction

Satoru Yamaki (System Service Division Cost Estimation System Center, JAPAN CONSTRUCTION INFORMATION CENTER, Japan)

PS 8-4-3

Objects Collision Detection in Virtual Scene

Zhifang Wang (Shanxi Second Construction Group Co., Ltd., China)

PS 8-4-4

Rotation building with the sun

Liqing Yin (Shanxi Second Construction Group Co., Ltd., China)

PS 8-4-5**Engineering for society and engineering in society**

Ruxuan Guo (Shanxi Second Construction Group Limited Company, China)

12:40-14:00

Poster Display Room (Sakura)

PS 9-3 World human resource development and engineering education**PS 9-3-1****Work-Based Learning with DJT Model : A key to foster ready-to-work engineering graduated**

Paritud Bhandhubanyong (Office of the President, Panyapiwat Institute of Management, Thailand)

PS 9-3-2**The influence of global-scale phenomena and tendencies on the evolution of engineering education**

Włodzimierz Miszański (Committee on Education and Professional Development, Polish Federation of Engineering Associations, Poland)

PS 9-3-3**Introduction of a motivational education program for electrical and electronics students prior to matriculating in college**

Tsugutomo Kudoh (Electrical and Electronic Engineering, Kanagawa Institute of Technology, Japan)

PS 9-3-4**Challenge to Produce a Lean Architectural Design Process through Student Design Competition**

Kiyosuke Hiyaama (Yamaguchi University, Japan)

PS 9-3-5**WOMEN IN ENGINEERING EDUCATION IN BANGLADESH**

Mohammad Iqbal (Industrial and Production Engineering, Shahjalal University of Science and Technology, Bangladesh)

PS 9-3-6**Development of an Engineering Education Program for Innovation in Global Environment**

Masahiro Inoue (College of Systems Engineering and Science, Shibaura Institute of Technology, Japan)

PS 9-3-7**Development of an Enterprise Management Simulation Game for Fostering the Engineering Design Capability of Students in the Field of Management Engineering**

Yoshikazu Yamaguchi (Department of Management Information Sciences, Faculty of Social Systems Science, Chiba Institute of Technology, Japan)

PS 9-3-8**Do appealing characters in educational tools help beginners to learn programming?**

Kazuki Otomori (Fundamental Science and Engineering, Waseda University, Japan)

PS 9-3-9**Enhancing interests and concerns of youth about river engineering through following Subsidized Projects and human resource development programs with River Education**

Kazunari Sugawara (Center for Supporting Children's Waterside Activities, The River Foundation, Japan)

PS 9-3-10**Engineering Students' Teamwork Learning: Case Study of a Project-Based Learning Program in which Students Develop Indoor Flying Robots**

Juri Kimura (Department of Aeronautics and Astronautics Doctoral Course 2nd year student, The University of Tokyo, Japan)

PS 9-3-11**Preparing Global Engineers: Exploring the Learning Experiences and Outcomes of Engineering Students within International Summer Programs in a Chinese Context**

Jiabin Zhu (Graduate School of Education, Shanghai Jiao Tong University, China)

PS 9-3-12**Engineering Education and General Education: Conflict and Fusion**

Haishao Pang (School of Education, Beijing Institute of Technology, China)

12:40-14:00

Poster Display Room (Sakura)

PS 9-4 Development and contribution of the Japanese engineering education to the world**PS 9-4-1****Engineering Education as Social Capacity Building for Technology Transfer and Innovation: Lessons from the Steel Plant of Korea and Japan**

Kyoko Nakano (Human Link, Inc., Japan)

PS 9-4-2**Development of an Educational Resource of Si Semiconductor Devices Fabrication by using Simplified Process for Education in Semiconductor Engineering**

Takuto Tsuji (Department of Electrical and Electronic Engineering, National Institute of Technology, Suzuka College, Japan)

PS 9-4-3**3D printer aided education of aircraft gasturbine engine technology**

Ryoto Yamamoto (Micro System Technology, Ritsumeikan University, Japan)

PS 9-4-4**Effect of Introducing Qualification Examination into Programming Education**

Yukinobu Miyamoto (Graduate School of Information Technology, Kobe Institute of Computing, Japan)

PS 9-4-5**The use of engineering technique to improve archery competence**

Hajime Miyauchi (Electrical Engineering, National Institute of Technology, Matsue College, Japan)

PS 9-4-6**International Research Activity for Engineering Educational Reforms Conducted in Niigata University**

Tetsuo Oka (Faculty of Engineering, Niigata University, Japan)

PS 9-4-7

Tokyo Tech's leading graduate program: Academy for Co-creative Education of Environment and Energy Science (ACEES)
 - Developing 2S X 3E human resources with leadership qualities through international industry-government-university cooperation
 Jeffrey S. Cross (Tokyo Institute of Technology, Japan)

PS 9-4-8

Establishment of Research Center for Hyper-Aluminum Alloys for Next Generation

Kenji Matsuda (Department of Materials Science & Engineering, University of Toyama, Japan)

12:40-14:00

Poster Display Room (Sakura)

PS 10 Other Topics

PS 10-1

Deuterium Permeation Induced Elemental Transmutation Experiments using Nano-Structured Pd/CaO/Pd Multilayer Thin Film

Shigenori Tsuruga (Yokohama Research & Development Center, Mitsubishi Heavy Industries, Ltd., Japan)

PS 10-2

The Method of Determining Fatigue Safe-life for Aircraft Structure Based on Maintenance Frequency

Chao Gao (Aeronautics and Astronautics Engineering College, Air Force Engineering University, China)

PS 10-3

The application research of the pile-bucket combination design in silt coast

Li Wu (CCCC Third Harbor Consultants Co., Ltd, China)

PS 10-4

INNOVATIONS IN THE BUILDING ENVELOPE

Ljudmila Koprivec (Development and Research Department, Facade Design, Architecture, Slovenia)

PS 10-5

Practical evaluation and functional design of a small self-control mobile robot

Masatoshi Onishi (Dept. of Electric Control & Robot Engineering, Aichi University of Technology, Japan)

PS 10-6

Risk Evaluation for Heavy Metals in Tsunami Deposits after the Great East Japan Earthquake

Yoshishige Kawabe (National Institute of Advanced Industrial Science and Technology Japan, Japan)

PS 10-7

A community formation in the temple town of Eihei-ji in Japan

Isamu Shimokawa (Fukui University of Technology, Japan)

PS 10-8

Physical Security Technologies -High-throughput Trace-explosive Detection for Passenger and Baggage-

Minoru Sakairi (Center for Exploratory Research, Research & Development Group, Hitachi, Ltd., Japan)

PS 10-9

Water Screen System - Development of fire prevention system by micro water droplets

Hideaki Kuwana (Kajima Technical Research Institute, Japan)

PS 10-10

The Longest Tunnel in South-East Asia, Pahang-Selangor Raw Water Transfer Tunnel, Malaysia

Akira Mito (Civil Engineering Technical Division, Shimizu Corporation, Japan)

PS 10-11

On the Concept of City Bridge-Group

Wenbin Wang (Bridge Engineering Design institute, Tongji Architectural Design (Group) Co., Ltd., China)

PS 10-12

Trapezoid-shaped CSG Dam: A new dam construction technology originated in Hokkaido and is spreading to the World

Takayuki Kambe (Kajima Corporation, Japan)

PS 10-13

THE CHALLENGES WITH THE WORLD'S LARGEST 250,000kl LNG TANK

Mitsuhiro Chuman (Civil Engineering Technology Division, Design Department, SHIMIZU CORPORATION, Japan)

PS 10-14

International Standards that Promote Technological and Social Innovations - The Case of the IEC

Hiromichi Fujisawa (Research & Development Group, Hitachi, Ltd., Japan)

PS 10-15

A STUDY ON IMPACT OF STOCHASTIC TRAFFIC CAPACITY ON TRAVEL TIMES OF A ROAD NETWORK

Kenetsu Uchida (Graduate School of Engineering, Hokkaido University, Japan)

PS 10-16

Study of Design Schemes for the Puli Grand Bridge

Hong Wang (China Merchants Chongqing Communications Technology Research and Design Institute Co., Ltd., China)

PS 10-17

EXPERIMENT STUDY ON DRIFTING CONDITION OF CAR IN FLOODED UNDERGROUND PARKING

Ryuta Suzuki (Civil Engineering, Kyoto University, Japan)

PS 10-18

WEAR RESISTANCE EVALUATION OF THIN COATING FILM USING BASTING METHOD

Naoto Mukae (Kanto-Gakuin University, Japan)

PS 10-19

Development of Dynamic Information Management System based on Relationship between Work Structure and Information Items

Munenari Inoguchi (Research Institute for Natural Hazard and Disaster Recovery, Niigata University, Japan)

PS 10-20

Proposing Automated Recall Method of Relationship Structure among Research Topics -A Case of Earthquake and Volcano Observation Study Workshop-

Kouki Abe (Faculty of Engineering, Niigata University, Japan)

PS 10-21

Survey on Emergency Disaster Recovery by Local Construction Companies in Kyushu Region -Case Study of Torrential Rain in Northern Kyushu in July, 2012-

Noriyasu Kachi (Graduate School of Engineering, Kyushu University, Japan)

PS 10-22

Studies on the performance of a highly insulated greenhouse in snowy cold regions

Yasutomi Miki (Kitami Institute of Technology, Japan)

PS 10-23**Research of Port Design Method Based on BIM Technology**

Yi Wang (Technology Development Center, CCCC Second Harbor Consultants Co., Ltd, China)

PS 10-24**Construction of Sanagawa Bridge**

Osamu Sanada (Central Nippon Expressway Company Limited, Japan)

PS 10-25**THE CONSTRUCTION OF THE SHIN-TOMEI EXPRESSWAY**

Osamu Sanada (Central Nippon Expressway Company Limited, Japan)

PS 10-26**Proposal of Verification Method for Work Breakdown Structure of Disaster Response Plan Applying Project Management Framework -A Case Study of Tokyo Metropolitan Government-**

Tomu Sugahara (Faculty of Engineering, Niigata University, Japan)

PS 10-27**Flood Control for Typhoon 18 at the Yodo River System in 2013**

Masayuki Kitamaki (Kansai Regional Head Office, Japan Water Agency, Japan)

PS 10-28**Development of Disaster Mitigation and Sustainable Engineering Based on Smart Materials and Structures**

Hiroshi Asanuma (Dept. of Mechanical Engineering, Chiba University, Japan)

PS 10-29**An improved tabu search algorithm for optimization of collection and transport operations of the debris after disasters**

Ali G. Qureshi (Urban Management, Kyoto University, Japan)

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Keiko Tamura (Niigata University, Japan)

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Jinping Zhang (Shanxi Second Construction Group Co., Ltd., China)

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Shutong Wang (Shanxi Second Construction Group Co., Ltd., China)

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Xiaohu Ji (Shanxi Second Construction Group Co., Ltd., China)

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Rongxiang Wang (Technology Center, Shanxi Erjian, China)

PS 10-35**The theory of engineering quality control**

Shixian Na (Shanxi Second Construction Group Co., Ltd., China)

PS 10-36**The theory of rural social economic development and engineering innovation**

Hai Yong Wang (China)

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Yingying Linghu (Di Di Fen Gong Si, The Fourth Branch of ShanXi ErJian Group Co., Ltd., China)

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Li Xia Fan (The Fourth Branch of ShanXi ErJian Group Co., Ltd., China)

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Ning Liu (Shanxi ErJian Group Co., Ltd., China)

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Yutaka Ide (TAKENAKA Corporation, Japan)

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Asako Iwami (Aichi Institute of Technology, Japan)

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Sujun Guan (Chiba University, Japan)

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Yoshinao Murata (Research & Development Center, J-Power Systems Corporation, Japan)

PS 10-46**<Withdrawal>****PS 10-47****Intelligent Temperature Control in LED Lighting System**

Lilli Prasath J (Electrical and Electronic Engineering, Sri Sairam Engineering College, India/Anna University)

PS 10-48

Innovative Heat Sink Design for LED Lighting System

Lilli Prasath J (Electrical and Electronic Engineering, Sri Sairam Engineering College, India/ Anna University)

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Tatsuya Ibuki (Department of Mechanical and Control Engineering, Tokyo Institute of Technology, Japan)

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Zhongfu Yin (Dept. of Civil and Environmental Engineering, Chuo University, Japan)

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Toshiyuki Fujii (Mitsubishi Electric Corporation, Japan)

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Hisashi Tamaki (Graduate School of System Informatics, Kobe University, Japan)

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Yanghui Hui Yang (China Shaanxi Qishan County Forestry Workstations, China)

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Satoshi Yoneda (Graduate School of Engineering Science, Osaka University, Japan)

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Tetsuo Sawaragi (Dept. of Mechanical Engineering and Science, Graduate School of Engineering, Kyoto University, Japan)

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Olugbenga A. Fakayode (Department of Agricultural and Food Engineering, University of Uyo, Nigeria)

PS 10-57

Development and Performance Evaluation of a Dehuller for Moringa Seeds

Olugbenga A. Fakayode (Department of Agricultural and Food Engineering, University of Uyo, Nigeria)

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Praikanok Lertwanitrot (Department of Electrical Engineering, Faculty of Engineering, King's Mongkut Institute of Technology Ladkrabang)

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Nittaya Boontian (Institute of Engineering, School of Environmental Engineering, Thailand)

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Nikhil Sharma (Department of Geophysics, Banaras Hindu University, India)

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Koji Baba (Civil Engineering, Osaka City University, Bridge Engineering Laboratory, Japan)

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Suguru Yamada (Osaka City University, Japan)

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Ippei Kishida (Department of Mechanical Engineering, Osaka City University, Japan)