

# MISW Program and Contents

*Thursday, 7<sup>th</sup> August*

**REGISTRATION** (8:30-9:00) Registration Desk: Kuramae Hall, Tokyo Tech. Front

**OPENING REMARK** (9:00-9:15)

Kuramae Hall, Tokyo Tech. Front

Prof. Mishima Yoshinao

*President of Tokyo Tech*

Prof. Kikuo Kishimoto

*Dean, School of Engineering Professor*

**Photo Session** (9:15-9:30)

Kuramae Hall, Tokyo Tech. Front

*Break (9:30-9:40)*

**Shot Gun Presentation** (9:40-10:00)

Presentation time: 1 min

**Poster Session** (10:00-11:00)

Kuramae Hall, Tokyo Tech. Front

**P - 1 Novel Photo-thermal Controlled Drug-releasing Vectors for Cancer Detection and Treatment**

Ming-Hsien\* Tsai ,and Ming-Jium Shieh

Organic and Polymeric Materials

**P - 2 60GHz Transceiver for 300Gb/s Wireless Communication**

Kento Kimura\*, Seitaro Kawai, Yuki Seo, Shinji Sato, Satoshi Kondo, Tomohiro Ueno, Ryo Minami, Yuki Tsukui, Yasuaki Takeuchi, Masaya Miyahara, Kenichi Okada, Akira Matsuzawa

Physical Electronics

**P - 3 Effects of Microwaves on Electron Transfer on Solid Surfaces**

Kah Hon Leong\*, Fuminao Kishimoto, Dai Mochizuki, Masato M. Maitani, Eiichi Suzuki, Yuji Wada , Shaliza Ibrahim and Pichiah Saravanan

Applied Chemistry

- P - 4 Mesoporous Cobalt Oxalate Nanostructures as High-Performance Anode Materials for Lithium-ion Batteries: Ex-situ Electrochemical Mechanistic Study**  
Wei An Ang\*, Yan Ling Cheah, Chui Ling Wong, Prasanth Raghavan, Huey Hoon Hng, Srinivasan Madhavi  
Chemical Engineering
- P - 5 Penetration of mixed organic acids into the anticorrosive polymer film for a bio-gas plant**  
Kosuke SUGIURA\*, Masatoshi KUBOUCHI, Saiko AOKI, Natsuki TANIMOTO  
Chemical Engineering
- P - 6 Measuring the Mechanical Property of Biological Materials In vivo**  
Pao Ting Tu\*  
Chemical Engineering
- P - 7 New Class of Polymeric Materials for siRNA-therapeutics with cell penetrating peptides**  
C.H. Huang\*, T. Nomoto, H. Takemoto and N. Nishiyama  
Environmental Chemistry and Engineering
- P - 8 Recovery of a Multi-Rotor Unmanned Aerial Vehicle on a Heaving Platform**  
Tan Chun Kiat \*, Daisuke Kurabayashi, Wang Jianliang  
Mechanical and Control Engineering
- P - 9 Reverse Engineering of Accurate Parts by Applying Combination of Laser Scanning and CMMs**  
Muslimin\*, Jiang Zhu, Hayato Yoshioka, Saito Yoshio  
Mechanical and Control Engineering
- P - 10 Calculation of intersection points between triangulated mesh and point cloud data**  
Saurabh S Bhide\*, Jiang Zhu, Yoshioka Hayato, Saito Yoshio  
Mechanical and Control Engineering
- P - 11 An LC-VCO with Pulse-Drive Technique**  
Aravind Tharayil Narayanan\*, Kento Kimura, Wei Deng, Kenichi Okada, Akira Matsuzawa  
Physical Electronics
- P - 12 Adsorption of Phenol Using Activated Carbon Synthesized from Lake Sludge**  
P. Orapa, H. Hinode and W. Kurniawan  
International Development Engineering

Introduction of Overseas University

- PA - 1 The Hong Kong University of Science and Technology
- PA - 2 University of Malaya
- PA - 3 The University of Auckland
- PA - 4 Nanyang Technological University
- PA - 5 National Taiwan University
- PA - 6 Chulalongkorn University
- PA - 7 University of California, Berkeley
- PA - 8 Stanford University

**Break (11:00-11:10)**

**Panel Discussion (11:10-12:40)**

Kuramae Hall, Tokyo Tech. Front

Prof. Takayuki Aoki (*Professor of Tokyo Institute of Technology*)

Dr. Haruyoshi Kumura (*Fellow, Nissan Motor Corporation.*)

Dr. Lee Woolgar (*Senior ICT Policy Officer, Delegation of the European Union to Japan*)

Moderator: Prof. Tom Hope

(*International Student Center, Tokyo Institute of Technology*)

**Lunch (12:40-13:30)**

**ORAL SESSION 1 (13:30-15:00)**

Presentation time: 11min + Q&A: 3 min

Room A: W934 Lecture Room (3<sup>rd</sup> Floor), west Bldg.9

- A1 - 1 13:30 ~ 13:44 **Origin of Acceleration on Photo-induced Electron Transfer by Microwaves**  
Fuminao Kishimoto, Takashi Imai, Dai Mochizuki,  
Masato M. Maitani, Eiichi Suzuki and Yuji Wada  
Applied Chemistry
- A1 - 2 13:45 ~ 13:59 **S/C composite: a high energy density cathode material for the next generation battery**  
L. Kong, I. Taniguchi  
Chemical Engineering

- A1 - 3 14:00 ~ 14:14 **A study on influence of a particle size distribution and aeration rates on membrane fouling in a membrane bioreactor**  
S.Tanaka, S.Yoshikawa and S.Ookawara  
Chemical Engineering
- A1 - 4 14:15 ~ 14:29 **Photoconductive Properties of Polyimide Films Derived from Pyromellitic Derivatives**  
S. Fukuchi, K. Takizawa, S. Asai, S. Ando  
Chemistry and Materials Science
- A1 - 5 14:30 ~ 14:44 **Dissolution of dicalcium silicate into molten "CaO-FeO-SiO<sub>2</sub>" slag**  
Takahide Sadamoto, Yoshinao Kobayashi, Rie Endo, Masahiro Susa  
Metallurgy and Ceramics Science
- A1 - 6 14:45 ~ 14:59 **How pre-existing degeneration influences the vulnerability of articular cartilage to impact induced injury**  
Workman, Joshua Thomas; Broom, Neil; Thambyah, Ashvin  
Metallurgy and Ceramics Science

**Room B: W935 Lecture Room (3<sup>rd</sup> Floor), west Bldg.9**

- B1 - 1 13:30 ~ 13:44 **Effects of Non-homogeneity on Liquefaction-induced Deformation of Embankments**  
M. Maharjan and A. Takahashi  
Civil Engineering
- B1 - 2 13:45 ~ 13:59 **Shear Strengthening of RC Beams by Vinylon Fiber Mesh with Poval Resin and PCM**  
Ken ITO, Koji MATSUMOTO, Junichiro NIWA  
Civil Engineering
- B1 - 3 14:00 ~ 14:14 **Developing Three-dimensional Hierarchical Sea urchin-like TiO<sub>2</sub> for Wastewater Treatment**  
K. Cabral, W. Kurniawan, H. Hinode  
International Development Engineering
- B1 - 4 14:15 ~ 14:29 **3D Discrete Radiative Energy Transfer Modeling of Radiowave Propagation Through Foliage**  
Paul Jason CO, Jun-ichi TAKADA  
International Development Engineering
- B1 - 5 14:30 ~ 14:44 **Channel Sounding for Heterogeneous Network**  
Tianyang Min, KihnHuang Pham, Minseok Kim and Jun-ichi Takada  
International Development Engineering
- B1 - 6 14:45 ~ 14:59 **Simulation of the Potential Yield of Wind Power within a Build-up Area**

A. N. Huda, T. Sueishi, Y. Nejime, E. Iwatsuka, M. Yucel, A. Inagaki, A.C. Varquez, and M. Kanda  
International Development Engineering

**Break (15:00-15:10)**

**ORAL SESSION 2 (15:10-16:40)**

Presentation time: 11 min + Q&A: 3 min

Room A: W934 Lecture Room (3<sup>rd</sup> Floor) , west Bldg.9

- A2 - 1 15:10 ~ 15:24 **Effects of anatase type titanium oxide {010} facet on the electron transfer process of the dye-sensitized system**  
K. Kashibuchi, M. Maitani, D. Mochizuki, E. Suzuki, Y. Wada  
Applied Chemistry
- A2 - 2 15:25 ~ 15:39 **Terahertz spectroscopic study of water in thermosetting polymers**  
Masahiro KUSANO, Masatoshi KUBOUCHI, Mitsuharu SHIWA and Dmitry S. Bulgarevich  
Chemical Engineering
- A2 - 3 15:40 ~ 15:54 **Pressure distributions in a hollow fiber membrane module used for medical cure**  
R.Osako ,S.Yoshikawa, and S.Ookawara  
Chemical Engineering
- A2 - 4 15:55 ~ 16:09 **Conformational Analysis of Aromatic Polyimides at High Temperatures Using Far-IR Spectroscopy**  
Toshiaki Masuda, Tomohiro Okada, Shiji Ando  
Chemistry and Materials Science
- A2 - 5 16:10 ~ 16:24 **Development of Semiconductor based Artificial Photosynthesis System**  
Ge Yin, Daiki Atarashi, Etsuo Sakai and Masahiro Miyauchi  
Metallurgy and Ceramics Science
- A2 - 6 16:25 ~ 16:39 **Influence of Mg/Si Ratio on Nanocluster Formation Behavior in Al-Mg-Si Alloys**  
SeongNyeong Kim, Equo Kobayashi and Tatsuo Sato  
Metallurgy and Ceramics Science

Room B: W935 Lecture Room (3<sup>rd</sup> Floor), west Bldg.9

- B2 - 1 15:10 ~ 15:24 **Effect of isolator characteristics on the behavior of base-isolated buildings**  
Satish Bhagat and Anil C. Wijeyewickrema

- Civil Engineering  
**B2 - 2 15:25 ~ 15:39 Seismic Behaviour of Reinforced Concrete Walls with Eccentric openings: Experiment and FEM Analysis**  
 H.H.ZHANG, S. Kono  
 Civil Engineering
- B2 - 3 15:40 ~ 15:54 Dissolution of Milled Rice Straw Powder in an Ionic Liquid**  
 H. H. Myint , W. Kurniawan, H. Hinode, N. N. Sein and J.S. Cross  
 International Development Engineering
- B2 - 4 15:55 ~ 16:09 Performance Analysis of Open Loop MIMO System under Rician Fading Channel**  
 Maitsetseg Nomin, Jun-ichi Takada  
 International Development Engineering
- B2 - 5 16:10 ~ 16:24 On propagation channel representation in spherical wave domain**  
 Yang Miao, Jun-ichi Takada  
 International Development Engineering
- B2 - 6 16:25 ~ 16:39 Prototype of boost converter for energy harvesting with automatic Maximum Power Point searching**  
 R.ASAMI , P.Hemthavy , K.Takahashi  
 International Development Engineering

*Break (16:40-16:50)*

**ORAL SESSION 3 (16:50-17:50)**

Presentation time: 11 min + Q&A: 3 min

Room A: W934 Lecture Room (3<sup>rd</sup> Floor), west Bldg.9

- A3 - 1 16:50 ~ 17:04 Pulse-shaping of nanosecond pulsed laser using liquid optical device**  
 B. Kim, R. Inoue, H.D. Doan and K. Fushinobu  
 Mechanical and Control Engineering
- A3 - 2 17:05 ~ 17:19 Synthesis and characterization of wear-resistant boron-carbon-nitride films**  
 Shahira Liza Kamis, Hiroki Akasaka and Naoto Ohtake  
 Mechanical Sciences and Engineering
- A3 - 3 17:20 ~ 17:34 Measurement of oxygen transport resistance in cathode catalyst layer of PEFC**  
 S. Umeda, T. P. Nguyen and K. Fushinobu  
 Mechanical and Control Engineering

- A3 - 4 17:35 ~ 17:49 **Microstructure evolution and Shear Strength of Ultrasonic Soldered Sn-based Lead-free Solder Joint with Added Porous Cu Interlayer**  
A. T. Tan, Y. Takahisa, A. Tadashi and Y. Farazila  
Mechanical and Aerospace Engineering

Room B: W935 Lecture Room (3<sup>rd</sup> Floor), west Bldg.9

- B3 - 1 16:50 ~ 17:04 **Catalytic upgrading of vapor-phase bio-oil using supported ionic liquids on zeolite catalyst**  
M. Behrens, J. S. Cross, H. Akasaka, and N. Ohtake  
Mechanical Sciences and Engineering
- B3 - 2 17:05 ~ 17:19 **A New Optimal Controller Design for Vibration Suppression in a Class of Image Transfer Belt**  
Jie Yu, Hiroshi Yamaura  
Mechanical and Control Engineering
- B3 - 3 17:20 ~ 17:34 **Development of Walking Assist Machine Using Crutches: 2D Modeling and Gait Analysis**  
Ekin Basalp, Prof. Hiroshi Yamaura  
Mechanical and Control Engineering
- B3 - 4 17:35 ~ 17:49 **The evaluation of healing ability in cracks by visualizing the stress distribution**  
Kensuke Namiki, Kosuke Takahashi, Kazuaki Inaba, Kikuo Kishimoto

*Friday, 8<sup>th</sup> August*

ORAL SESSION 4 (9:00-10:30)

Presentation time: 11min + Q&A: 3 min

Room A: W934 Lecture Room (3<sup>rd</sup> Floor), west Bldg.9

- A4 - 1 9:00 ~ 9:14 **Post-Tensioned Hybrid Precast Wall-Frame Buildings for Seismic Regions**  
H.A.D. Samith Buddika and Anil C. Wijeyewickrema  
Civil Engineering
- A4 - 2 9:15 ~ 9:29 **Exploring of field hyperspectral bands of rice canopy and leaf suffering from soil salinity in the northeastern Thailand**  
Samphors Touch, Thirapong Pipatpongsa, Tomomi Takeda, and Jiro Takemura  
International Development Engineering

- A4 - 3 9:30 ~ 9:44 **Visualization of the propagation channels both measurement and simulation in macro cellular environments at 11 GHz**  
R. Tsuji, M. Kim, J. Takada  
International Development Engineering
- A4 - 4 9:45 ~ 9:59 **Analytical Approach in 11 GHz MIMO Channel Estimation Based on Antenna Radiation Pattern Reconstruction**  
Shizhi Zhang, Yang Miao, and Jun-ichi Takada  
International Development Engineering
- A4 - 5 10:00 ~ 10:14 **The Effect of Shadowing by Human Body to the Propagation Characteristic of Millimeter Wave**  
Pham Kinh Hung, M. Kim, J. Takada  
International Development Engineering
- A4 - 6 10:15 ~ 10:29 **Utilization from Air-Sea Surface Temperature Difference for Cooling Effect in a Built-Up Area**  
Meral Yucel, Shinsuke Kato and Takeo Takahashi  
International Development Engineering

Room B: W935 Lecture Room (3<sup>rd</sup> Floor), west Bldg.9

- B4 - 1 9:00 ~ 9:14 **Shear fatigue mechanism of reinforced concrete beams with cracks due to rebar corrosion**  
Yuta YAMADA, Nobuhiro CHIJIWA, Mitsuyasu IWANAMI  
Civil Engineering
- B4 - 2 9:15 ~ 9:29 **Electromagnetic Scattering Based on Physical Optics Approximation by Using Point Cloud**  
Hiroki Ohara, Jun-ichi Takada  
International Development Engineering
- B4 - 3 9:30 ~ 9:44 **Frequency Domain Interpolation of Wireless Propagation Channel in Urban Environments**  
Azril Haniz, Jun-ichi Takada  
International Development Engineering
- B4 - 4 9:45 ~ 9:59 **Novel Multipath Components Clustering Method for Indoor Double-Directional Channel**  
Panawit Hanpinitasak, Minseok Kim, Jun-ichi Takada  
International Development Engineering
- B4 - 5 10:00 ~ 10:14 **Analysis of Sampling Pattern and Luma-chroma Filter Design for Subpixel-based Image Downsampling**  
Jin Zeng, Yukihiro Yamashita, Oscar C. Au  
International Development Engineering



*Break (10:30-10:40)*

**ORAL SESSION 5** (10:40-12:10)

Presentation time: 11min + Q&A: 3 min

Room A: W934 Lecture Room (3<sup>rd</sup> Floor), west Bldg.9

- A5 - 1 10:40 ~ 10:54 **Multilayered Cloaks Based on Homogenization for Antiplane Elastic Wave Scattering**  
Porjan Tuttipongsawat and Anil C. Wijeyewickrema  
Civil Engineering
- A5 - 2 10:55 ~ 11:09 **Heavy Metals Removal from Model Acid Mine Drainage Using Indonesian Natural Zeolite**  
Fernando, Habaki, H. and Egashira, R.  
International Development Engineering
- A5 - 3 11:10 ~ 11:24 **Distributed Channel Sounder: A Framework**  
Tossaporn Srisooksai and Jun-ichi Takada  
International Development Engineering
- A5 - 4 11:25 ~ 11:39 **Path Loss Characteristics of Indoor Propagation Channel at 11 GHz using Ray Tracing Simulation**  
Khagendra Belbase, Jun-ichi Takada  
International Development Engineering
- A5 - 5 11:40 ~ 11:54 **Temperature effect on adhesion hysteresis of elastic contact between silicon rubber and glass lens**  
Guanda Fu, Dooyoung Baek, Pasomphone Hemthavy, Kunio Takahashi  
International Development Engineering
- A5 - 6 11:55 ~ 12:09 **Passenger Characteristics and their Mode Choice between Air Transport and High Speed Rail in China**  
Shuyang KANG, Shinya HANAOKA, Makoto TSUKAI  
International Development Engineering

Room B: W935 Lecture Room (3<sup>rd</sup> Floor), west Bldg.9

- B5 - 1 10:40 ~ 10:54 **Formation of Thin-Film of Ag Nanoparticles Deposited on Polymer Substrate Using Microwave Heating**  
Takuya Yamada, Dai Mochizuki, Maitani M. Maitani, Eiichi Suzuki and Yuji Wada  
Applied Chemistry
- B5 - 2 10:55 ~ 11:09 **Thermophoresis of slurry particles under extremely high temperature gradient**

- I.Taniguchi, S.Ookawara and S.Yoshikawa  
Chemical Engineering  
**Effect of solvent species on preparation of nano-needle titania aerogel using supercritical drying**  
B5 - 3 11:10 ~ 11:24  
Motohiro. Kinoshita , Yusuke. Shimoyama  
Chemical Engineering
- Heat Treatment of Spark Plasma Sintered Ti6Al4V for Bone Implant Materials**  
B5 - 4 11:25 ~ 11:39  
Yorina Sarah Franscoise Lantang, Equo Kobayashi, Tatsuo Sato  
Metallurgy and Ceramics Science
- Thermal Diffusivity Estimation of Mould Fluxes under Strong Temperature Gradients**  
B5 - 5 11:40 ~ 11:54  
Deandra Sasadhara, Masahiro Susa, Rie Endo, Yoshinao Kobayashi  
Metallurgy and Ceramics Science
- Oxygen solubility in molten Nd-Fe alloy ~to solve resources problem in Japan~**  
B5 - 6 11:55 ~ 12:09  
Takahiro Oshino, Yoshinao Kobayashi, Rie endo, Masahiro Susa  
Metallurgy and Ceramics Science

*Lunch (12:10-13:10)*

**ORAL SESSION 6** (13:10-14:40)

Presentation time: 11 min + Q&A: 3 min

Room A: W934 Lecture Room (3<sup>rd</sup> Floor), west Bldg.9

- An investigation of secondary atomization in emulsified fuel spray flow**  
A6 - 1 13:10 ~ 13:24  
Y. Shoji, H. Watanabe and K. Okazaki  
Mechanical and Control Engineering
- An Automatic Natural Language Sentence Generation Using Weighted Finite-State Transducer**  
A6 - 2 13:25 ~ 13:39  
Worasa Limpanadusadee, Proadpran Punyabukkana, Atiwong Suchato and Shuichi Ueno  
Communications and Computer Engineering
- Dependence of adhesive thickness on tack performance**  
A6 - 3 13:40 ~ 13:54

- Yuichiro Yamagata, Kosuke Takahashi , Kazuaki Inaba  
and Kikuo Kishimoto  
Mechanical Sciences and Engineering  
**Numerical Simulations on Droplet Coalescence in  
an L-shaped duct for Inlet Fogging of Gas Turbine  
Engines**
- A6 - 4 13:55 ~ 14:09  
Ari Hamdani, Hiroshige Kikura  
Nuclear Engineering
- A6 - 5 14:10 ~ 14:24  
**Optimization of Accumulative Fuel Loading Scheme  
in Small Pebble Bed Reactor**  
Irwan Liapto Simanullang, Toru Obara  
Nuclear Engineering
- A6 - 6 14:25 ~ 14:39  
**Magnesium Oxide/Water Chemical Heat Pump as  
Thermochemical Energy Storage for Process Waste  
Heat**  
Myagmarjav Odtsetseg, Ryu Junichi, Kato Yukitaka  
Nuclear Engineering

Room B: W935 Lecture Room (3<sup>rd</sup> Floor), west Bldg.9

- B6 - 1 13:10 ~ 13:24  
**Microwave Sintering of Ag Particle Thin Film  
Coated on Polymer Substrate**  
Shin-ichiro Kawamura, Dai Mochizuki Satoshi Fujii,  
Masato M. Maitani, Eiichi Suzuki, Yuji Wada  
Applied Chemistry
- B6 - 2 13:25 ~ 13:39  
**Biomass gasification using microwave plasma**  
Fu Xuwei  
Chemical Engineering
- B6 - 3 13:40 ~ 13:54  
**Synthesis and Fluorescence Properties of  
Acylamino-substituted N-cyclohexylphthalimides**  
T.Kambara, K.Kanosue and S.Ando  
Chemistry and Materials Science
- B6 - 4 13:55 ~ 14:09  
**Graphene Coated SPR Biosensor for Low  
Concentration Detection of Amyloid-beta**  
Ryota Murai, J. S. Cross, T. Ikoma, J. Tanaka  
Metallurgy and Ceramics Science
- B6 - 5 14:10 ~ 14:24  
**Development of apparatus for evaluating heat  
transfer characteristics of mould fluxes**  
H. Eguchi, R. Endo, Y. Kobayashi and M. Susa  
Metallurgy and Ceramics Science

B6 - 6 14:25 ~ 14:39 **Thermo-responsive cell culture dishes using hyperbranched polystyrene-g-poly(N-isopropylacrylamide) copolymers**  
Yu Sudo, Hideaki Sakai, Yuta Nabae, Teruaki Hayakawa, Masa-aki Kakimoto  
Organic and Polymeric Materials

*Break (14:40-14:50)*

**ORAL SESSION 7 (14:50-16:20)**

Presentation time: 11 min + Q&A: 3 min

Room A: W934 Lecture Room (3<sup>rd</sup> Floor), west Bldg.9

A7 - 1 14:50 ~ 15:04 **A role of CO<sub>2</sub> in hydrocarbon oxidation in fuel-rich O<sub>2</sub>/CO<sub>2</sub> combustion**  
S. Sugai, H. Watanabe and K. Okazaki  
Mechanical and Control Engineering

A7 - 2 15:05 ~ 15:19 **A visual Inspection of Stents by 3D Reconstruction with SfM Method**  
Hsiao-Nan, Yang  
Mechanical and Control Engineering

A7 - 3 15:20 ~ 15:34 **Wave propagation in compound rectangular tube**  
Kengo Takeda, Kazuaki Inaba, Kousuke Takahashi, Kikuo Kishimoto  
Mechanical Sciences and Engineering

A7 - 4 15:35 ~ 15:49 **Tee-Junction Characterization on CMOS for Millimeter-Wave Applications**  
Korkut Kaan Tokgoz, Nurul Fajri, Yuuki Seo, Seitarou Kawai, Kenichi Okada and Akira Matsuzawa  
Physical Electronics

A7 - 5 15:50 ~ 16:04 **A 60GHz CMOS Power Amplifier Using Transistor Cross-Coupling Neutralization**  
Nurul Fajri, Kenichi Okada, Akira Matsuzawa  
Physical Electronics

A7 - 6 16:05 ~ 16:19 **Graph Based Feature Recognition of CAD Parts for Multi-Task Machining**  
Masato Kato, Yoshioka Hayato, Jiang Zhu, Saito Yoshio  
Mechanical and Control Engineering

Room B: W935 Lecture Room (3<sup>rd</sup> Floor), west Bldg.9

- B7 - 1 14:50 ~ 15:04** **Synthesis of a novel cathode material for Advanced Rechargeable Lithium-ion batteries**  
Gulnur Kalimuldina, Izumi Taniguchi  
Chemical Engineering
- B7 - 2 15:05 ~ 15:19** **Flow Characteristics of Taylor-Couette Flow with an Inner Cylinder Coated with Anticorrosive Resin**  
K.Sawanaga, S.Yoshikawa, S.Okawara  
Chemical Engineering
- B7 - 3 15:20 ~ 15:34** **Properties of Polymer Alloys of High Molecular Weight Benzoxazine and Bismaleimide**  
Shoya Uchida, Yuichi Inoue, Takehiro Kawauchi and Tsutomu Takeichi  
Chemistry and Materials Science
- B7 - 4 15:35 ~ 15:49** **Equivalent Circuit Analysis of an Iontophoresis Electrode/Rat Skin system**  
Y. Hemmi\*, T. Yoshioka, T. Ikoma, N. Ohashi, K. Matsumoto, T. Ebisawa, R. Wakita, H. Fukayama and J. Tanaka  
Metallurgy and Ceramics Science
- B7 - 5 15:50 ~ 16:04** **Effect of curing condition on Low Heat Portland cement with/without silica fume**  
Taloey Napatr, Daiki Atarashi, Masahiro Miyauchi, and Etsuo Sakai  
Metallurgy and Ceramics Science
- B7 - 6 16:05 ~ 16:19** **Synthesis of Hyperbranched Aromatic Polyamide from an ABB' Type Monomer**  
F. Hosokoshi, Y. Nabae, T. Hayakawa, M. Kakimoto  
Organic and Polymeric Materials

*Break (16:20-16:30)*

**Group Work (16:30-17:50)**

Co-op 1st Cafeteria

*Break (17:50-18:00)*

**Banquet & Award (18:00-20:00)**

Co-op 1st Cafeteria