

ME Week 2012 in Chiba – Program –

21 Feb. 2012 (Tuesday)

10:00 – 11:00

ME Week 2012 in Chiba Opening Ceremony

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| Welcome Address | Koichi ITO (Director of Research Center for Frontier Medical Engineering, Chiba University) |
| Opening Remarks | Yasushi SAITO (President of Chiba University) |
| Messages from Guests | Kaname TAJIMA (Member of the House of Representatives, Japan) |
| | Toshihito KUMAGAI (Mayor of Chiba City, Japan) |
| | Hisashi KATO (Director of International Program Department, Japan Society for the Promotion Science) |
| | Shigeto ODA (Director of Department of Emergency and Critical Care Medicine / Vice Director of Research Center for Frontier Medical Engineering, Japan) |
| An Introduction of Medical Engineering in Chiba University | Koichi ITO (Director of Research Center for Frontier Medical Engineering, Chiba University) |

11:00 – 12:00

Keynote Talk I

“Translational Research Concept in Biomedical Engineering”

Lecturer: Kerong DAI (Academician of China Engineering Academy, Shanghai JiaoTong University, Shanghai Ninth People’s Hospital, China)

Chair: Kazuhisa TAKAHASHI (Chiba University, Japan)

12:00 – 13:00

Lunch

13:00 – 15:15

3T-in-3A 2012 and MECU 2012 Joint Sessions

“Clinically-Driven Development of IT for Diagnosis and Bio-Modelling”

Chair: See Kiong NG (Singapore University of Technology and Design, Singapore)

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| | Leading | |
| 13:00 – 13:35 | L1-1: Fusion and Enrichment of Medical Imaging for High Quality Diagnosis and Treatment (FERMI) | Hideaki HANEISHI (Chiba University, Japan) |
| 13:35 – 14:00 | L1-2: Clinically-Driven Research and Digital Technology Development in Orthopedic and MusculoSkeletal Rehabilitation | Dongyun GU (Shanghai Jiao Tong University, China) |
| 14:00 – 14:25 | L1-3: Using Dual-Accelerometers for Gait Analysis and Rehabilitation | Wan-Yun SHIEH (Chang Gung University, Taiwan) |
| 14:25 – 14:50 | L1-4: A 3D Electric Field Simulation Model of the Thigh for Studying the Effect of Transcutaneous Electrical Stimulation | Jose Gomez-TAMES, Wenwei YU (Chiba University, Japan) |
| 14:50 – 15:15 | L1-5: 2D/3D Registration for Fast Knee Motion with Bi-gradient Optimization Algorithm | Takashi OHNISHI, Masahiko SUZUKI, Tatsuya KOBAYASHI (Chiba University), Shinji NAOMOTO, Atsushi NAWATA (Alcare), Hideaki HANEISHI (Chiba University, Japan) |

15:15 – 15:35

Tea Break

15:35 – 17:25

3T-in-3A 2012 and MECU 2012 Joint Sessions

“Medical Engineering for Biological and Medical Application”

Chair: Dongyun GU (Shanghai Jiao Tong University, China)

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| 15:35 – 16:10 | L1-6: Leading Mining for Knowledge: From Biological to Medical Data | See Kiong NG (Singapore University of Technology and Design, Singapore) |
| 16:10 – 16:35 | L1-7: Neuromagnetic fields associated with a gambling task | Shiann-fong HUANG (Oriental Institute of Technology, Taiwan) |
| 16:35 – 17:00 | L1-8: Development of Least-Incision Transformable End-Effector Mechanism for Forceps -Development of Φ 5mm Mechanism- | Hiroaki NAKAJI, Ryoichi NAKAMURA (Chiba University, Japan) |
| 17:00 – 17:25 | L1-9: Development of VR-Based Medical Training System Using Simulated Patient | Ayano KIKUCHI, Tatsuya UENO, Toshiya NAKAGUCHI, Masahiro TANABE (Chiba University, Japan) |

17:25

Session Close

ME Week 2012 in Chiba – Program –

22 Feb. 2012 (Wednesday)

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| 09:30 – 10:30 | Keynote Talk II “Patient-Specific Digital Modeling in the Clinic: Challenges and Opportunities” Lecturer: Leo JOSKOWICZ (The Hebrew University of Jerusalem, Israel) Chair: Tatsuo IGARASHI (Chiba University, Japan) | |
| 10:30 – 11:55 | 3T-in-3A Session I “3T in HealthCare Application” Chair: Hideaki HANEISHI (Chiba University, Japan) | |
| 10:30 – 11:05 | L2-1: Leading Assistive Robotics for Elderly and Disabled People | Weidong CHEN (Shanghai Jiao Tong University) |
| 11:05 – 11:30 | L2-2: A Reliable and Energy Efficient Wearable Platform for Wireless Healthcare | Yu GE (Institute for Infocomm Research, Singapore) |
| 11:30 – 11:55 | L2-3: A Secure Support System for Electronic Patient Records | Yuesheng ZHU (Peking University, China) |
| 11:55 – 13:00 | Lunch | |
| 13:00 – 14:50 | 3T-in-3A Session II “Monitoring and Evaluation of Biofunctions” Chair: Yu GE (Institute for Infocomm Research, Singapore) | |
| 13:00 – 13:35 | L2-4: Leading RF & Microwave Technology in Medical and Healthcare Engineering | Zhi Ning CHEN (R&D in I2R, Singapore) |
| 13:35 – 14:00 | L2-5: Real-time electrocardiogram and physical activity monitoring for heart rate variability and cardiac arrhythmia analysis | Hsiao-Lung CHAN (Chang Gung University, Taiwan) |
| 14:00 – 14:25 | L2-6: Novel Application of Multiscale Entropy in Assessment of Atherosclerosis in the Aged and Diabetic | Hsien-Tsai WU (National Dong Hwa University, Taiwan) |
| 14:25 – 14:50 | L2-7: Design of Antennas for Wireless Power Transfer to Capsular Endoscope | Toshihiro KUMAGAI, Kazuyuki SAITO, Masaharu TAKAHASHI, Koichi ITO (Chiba University, Japan) |
| 14:50 – 15:10 | Tea break | |
| 15:10 – 17:00 (I) | 3T-in-3A Session III “Developing Solutions in Health Engineering” Chair: Zhi Ning CHEN (Institute for Infocomm Research, Singapore) | |
| 15:10 – 15:45 | L2-8: Leading Medical Mechatronics and Wearable Mechatronics (BSANs) in Health Engineering | Ming-Yih LEE (Chang Gung University, Taiwan) |
| 15:45 – 16:10 | L2-9: An Innovation Framework for the Wearable Medical Technology | Chien-Hua LIN (Chang Gung University, Taiwan) |
| 16:10 – 16:35 | L2-10: Development of a Patient-sensing Adaptive Speed Treadmill for Stroke Recovery and Reduction of Aged Health Problems | Johnny CHEE, Wai Sing ONG, Chuan Mien HOO, Wan-Juang Timothy FOO, Kuang Chua CHUA (Ngee Ann Polytechnic, Singapore) |
| 16:35 – 17:00 | L2-11: Tunable and Active Band-pass Filter for Cognitive Radio in TV Whitespace Spectrum | Xiaowei ZHU (Southeast University, China) |
| 15:10 – 17:00 (II) | Student Medical Engineering Innovation Competition Session Chair: Weidong CHEN (Shanghai Jiao Tong University, China) | |
| | C2-1: Semantic Map Based Shared Control for Smart Wheelchair | Project Member: Zhixuan WEI, Haichun LIU, Yong WANG, Wenlong LIAO; Supervisor: Junguo LU (Shanghai Jiao Tong University, China) |
| | C2-2: Integrated Miniature of Valued-Added Healthcare Monitoring System that Detects the Elder’s Accidental Falling | Project Member: Yinz-heng HUANG, Pei-Hung LIAO; Supervisor: Kuan-Chin WANG, Ching-Sung WANG (Oriental Institute of Technology, Taiwan) |
| | C2-3: Smartphone Software Development of Three-dimensional Fracture Classification and Treatment Reference System | Project Member: Yu WU, Fei HU, Jinling CHEN; Supervisor: Jianhe WEI (Shanghai Jiao Tong University, China) |
| | C2-4: Virtual Shoulder Arthroscopy Training System | Project Member: Min HUANG, Guangshan LIAO, Haitao JIANG, Shungang YANG; Supervisor: Jinwu WANG (Shanghai Jiao Tong University, China) |
| | C2-5: Numerical Simulation and Visualization of Urine Flow Dynamics Associated with Voiding Dysfunction | Project Member: Gaku SAKUYAMA, Kohei HORIUCHI, Takuro ISHII, Yoichi KAMBARA, Rodiyan Gibran SUNTANU; Supervisor: Tatsuo IGARASHI (Chiba University, Japan) |
| 17:00 | Session Close | |
| 18:00 – 20:00 | Banquet | |

ME Week 2012 in Chiba – Program –

23 Feb. 2012 (Thursday)

09:30 – 10:30

Keynote Talk III
“SRI International: Innovation in Medical Device Development”
lecturer: Satomi OUCHI (Director of SRI International, Japan)
Chair: Etsuji Yamamoto (Chiba University, Japan)

10:30 – 12:00

Panel Discussion
“News and Views: Medical Engineering Research and Industry–University Collaboration”
 Moderator: Koichi ITO (Chiba University, Japan)
 Panelist: Kerong DAI (Academician of China Engineering Academy, Shanghai JiaoTong University, Shanghai Ninth People’s Hospital, China)
 Panelist: Leo JOSKOWICZ (The Hebrew University of Jerusalem, Israel)
 Panelist: Satomi OUCHI (Director of SRI International, Japan)
 Panelist: Zhi Ning CHEN (Institute for Infocomm Research, Singapore)
 Panelist: Ming-Yih LEE (Chang Gung University, Taiwan)

12:00 – 13:00

Lunch

13:00 – 14:00

MECU (Annual Symposium on Medical Engineering of Chiba University) 2012 Oral Session
“Recent Progress in Therapeutic Engineering”
Chair: Hiroshi KAWAHIRA (Chiba University)

CFME: Research Center for Frontier Medical Engineering
 DMSE: Department of Medical System Engineering, Faculty of Engineering
 Department of Medical System Engineering, Graduate School of Engineering

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| L3-1: | Water-Filled Laparo-Endoscopic Surgery (WaFLES): A Novel Approach for Less Invasive Surgery | Tatsuo IGARASHI (DMSE) |
| L3-2: | Automatic Measurement, Analysis, and Prediction Method for Surgical Procedure and Environment using Surgical Navigation Information | Ryoichi NAKAMURA (DMSE) |

14:15 – 17:15

MECU (Annual Symposium on Medical Engineering of Chiba University) 2012 Poster Session

Diagnostic and Therapeutic Support Systems

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| P3-1: | Development of Suction Nozzles Efficient for Removal of Blood in the Surgery Under Artificial Ascites | Masayuki TERANUMA, Tatsuo IGARASHI (DMSE) |
| P3-2: | Swimming small robot as carrier for small camera with internal flow corridor | Rodiyen Gibran Sentanu, Tatsuo IGARASHI (DMSE) |
| P3-3: | Construction of a Suction Cup Contained Integrated Mobile Micro Robot for Surgery Support in the Abdominal Cavity | Chika HIROKI, Wenwei YU (DMSE) |
| P3-4: | Development of a Novel Fluorescent Liposome System Targeting Sentinel Lymph Nodes | Hikomichi FUJITO (Med. Frontier Surgery), Hideki HAYASHI(CFME), Yutaka TAMURA(Med. Bioinformatics), Taro TOYOTA(Univ. of Tokyo), Tomoyuki MADONO(Yamada Chemical Inc.), Masanori FUJINAMI(Applide Chemistiry and Biotechnology), Hisahiro MATSUBARA (Med. Frontier Surgery) |
| P3-5: | Detail Analysis of Vessel Sealing Performance of Bipolar Vessel Sealing System for Laparoscopic Surgery | Terumasa YAMAOKA (DMSE), Hideki HAYASHI(CFME), Hiromichi FUJITO (Med. Frontier Surgery), Satoki ZENBUTSU, Masashi SEKINE(CFME), Hisahiro MATSUBARA (Med. Frontier Surgery) |
| P3-6: | Surgical Navigation System with Distance Sensation using Tactile Sensation Guidance | Marina KOBAYASHI, Ikuma SATO, Ryoichi NAKAMURA (DMSE) |
| P3-7: | Surgical Workflow Analysis of Brain Tumor Resection by using Surgical Navigation Information | Tomoaki AIZAWA (DMSE), Yoshihiro MURAGAKI, Takashi MARUYAMA, Hiroshi ISEKI (Tokyo Women’s Medical Univ.), Ryoichi NAKAMURA (DMSE) |
| P3-8: | Trajectory Measurement of Surgical Staff in Operation Room using Multiple Cameras with Occlusion Handlin | Yosuke SHIMURA, Ryo OTSUKA (DMSE), Takashi SUZUKI (Tokyo Women’s Medical Univ.), Ikuma SATO, Ryoichi NAKAMURA (DMSE) |
| P3-9: | Evaluation of Position Accuracy of Real-time 3D Ultrasound Surgical Navigation System for a Moving Target | Ikuma SATO, Ryoichi NAKAMURA (DMSE) |
| P3-10: | Portable Overlay-projecting System for Fluorescent Agent Observation | Taku SUZUKI, Toshiya NAKAGUCHI (DMSE), Seiji OHTSUBO (Kushiro Rosai Hospital), Hideki HAYASHI (CFME), Mitsuo KUSANO (Kushiro Rosai Hospital) |
| P3-11: | Development of Similar Case Search Engine based on National Language Processing from Clinical Documents | Shunsuke DOI, Takashi SUZUKI (DMSE), Katsuhiko TAKABAYASHI (Chiba Univ. Hosp.), Tosiyo TAMURA (DMSE) |

Development of Material and Instruments in Medicine

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| P3-12: | Development of Vitamin E Added Ultra-high Molecular Polyethylene in Total Knee Arthroplasty | Masahiko SUZUKI (CFME), Takahisa SASHO (Med. Orhtpaedic Surgery), Nohide TOMITA (Kyoto University), Keita UETSUKI (Nakashima Medical co. ltd.), Junich NAKAMURA, Kazuhisa TAKAHASHI (Med. Orhtpaedic Surgery) |
| P3-13: | Evaluation of Grape Treated Titanium Alloy using MC3T3-E1 Osteoblast | Masahiko SUZUKI (CFME), Yuhei HAMADA (Med. Phamaceutical Science), Hiroyuki TAKAHASHI (Nakashima Medical co. ltd.), Junich NAKAMURA, Kazuhisa TAKAHASHI (Med. Orhtpaedic Surgery) |
| P3-14: | A Novel Liver Retractor Provides Efficient Surgical Space and Avoids Post-surgical Liver Dysfunction | Hiroshi KAWAHIRA (CFME), Takamitsu MIWA (System JP), Hideki HAYASHI (CFME), Hisahiro MATSUBARA (Med. Frontier Surgery) |
| P3-15: | Microwave Heating Around Metallic Stent for Bile Duct Carcinoma | Hiroshi ITAKURA (DMSE), Masaharu TAKAHASHI, Kazuyuki SAITO (CFME), Koichi ITO (DMSE) |
| P3-16: | Designing of Implantable Antenna for Monitoring of Biological Information | Kohei KAWASAKI (DMSE), Masaharu TAKAHASHI, Kazuyuki SAITO (CFME), Koichi ITO (DMSE) |
| P3-17: | Development and Performance Evaluation of Phantom for Breath Detection Microwave Sensor | Jumpei YONEBAYASHI (DMSE), Shozo TAKAMATSU (Omron Healthcare), Kazuyuki SAITO, Masaharu TAKAHASHI (CFME), Koichi ITO (DMSE) |
| P3-18: | Production Prototype of 2011 | Satoki ZENBUTSU, Masashi SEKINE, Hiroshi KAWAHIRA, Kazuyuki SAITO (CFME) |

Image Guided Diagnosis and Surgery

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| P3-19: | Development of Diffusion-Weighted MRI High-Speed Simulator | Shogo FUJII (DMSE), Yo TANIGUCHI (Hitachi Ltd.), Yoshitaka BITO (DMSE., Hitachi Ltd.), Etsuji YAMAMOTO (DMSE) |
| P3-20: | Correcting k-Space Trajectory by Using Multiple Function Model of Gradient Waveform for Ultrashort TE (UTE) | Masahiro TAKIZAWA (DMSE., Hitachi Medical Corp.), Hikaru HANADA, Kuniharu OKA, Tetsuhiko TAKAHASHI (Hitachi Medical Corp.), Etsuji |
| P3-21: | Basic Investigation of Effective OpenPET Geometries for an Entire-body PET | Kiyoshi MASUDA (Department of Medical System Engineering), Eiji YOSHIDA (National Institute of Radiological Sciences), Shoko KINOUCI (DMSE, National Institute of Radiological Sciences), Taiga YAMAYA (National Institute of Radiological Sciences, CFME), Mikio SUGA (DMSE) |
| P3-22: | Design Study of the DOI-PET Scanners with the X'tal Cubes Toward Sub-millimeter Spatial Resolution | Hiroki YAMASHITA (DMSE), Eiji YOSHIDA (National Institute of Radiological Sciences), Shoko KINOUCI (DMSE, National Institute of Radiological Sciences), Hideaki TASHIMA, Hideo MURAYAMA (National Institute of Radiological Sciences), Taiga YAMAYA (National Institute of Radiological Sciences, CFME), Mikio SUGA (DMSE) |
| P3-23: | GPU-Based Simulation of Optical Photons in Laser-processed Crystal Block of PET Detector | Yuma OGATA (DMSE), Takahiro MORIYA (Hamamatsu Photonics K.K.), Naoko INADAMA, Fumihiko NISHIKIDO, Eiji YOSHIDA, Hideo MURAYAMA (National Institute of Radiological Science), Taiga YAMAYA (National Institute of Radiological Science, |
| P3-24: | Improvement of RG/BH PET Image Quality using Motion Vector Field Estimated from Inhalation and Exhalation CT Images | Masayuki KANAI (DMSE), Yoshitaka TAMAI, Atsushi SAKOHIRA, Kazuyoshi SUGA (St. Hill Hospital), Hideaki HANEISHI (CFME) |
| P3-25: | Microcirculation Imaging with Multicolor LEDs and Mini CCD Camera | Zhenguang LI, Saori KANEKO (DMSE), Shigeto ODA (Chiba Univ. Hosp.), Hiroshi KAWAHIRA, Hideaki HANEISHI (CFME) |
| P3-26: | Development of Laparoscopic Surgery Navigation System uing Three-dimensional Ultrasonic Image | Satoki ZENBUTSU (CFME, DMSE), Tatsuo IGARASHI (DMSE), Tadashi YAMAGUCHI (CFME) |
| P3-27: | Virtual Auscultation Training Simulator by using Standardized Patient | Tatsuya UENO, Toshiya NAKAGUCHI (DMSE), Masahiro TANABE (Chiba Univ. hosp.) |
| P3-28: | Heating Characteristics of Hyperthermic Loop Antenna Combined with HIFU Treatment System | Samon ISHIKAWA (DMSE), Kazuyuki SAITO, Masaharu TAKAHASHI (CFME), Koichi ITO (DMSE) |

Vascular Motion and Fluid Dynamics

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| P3-29: | Study About the Mechanisim of Voiding Dysfunction ~ Estimation of Urethral Shape and Flexibility, and Urine Flow Simulation with These Information~ | Kohei HORIUCHI, Yoichi KAMBARA, Gaku SAKUYAMA, Takuro ISHII, Tatsuo IGARASHI (DMSE) |
| P3-30: | Analysis of Hemodynamics in Abdominal Aorta Using MRI | Yoshiaki SHIMAMURA (DMSE), Ken-ichi TSUBOTA, Hao LIU (Dept. Eng.), Koichi SUGHIMOTO (Tokyo Women's Medical Univ.), Hideaki HANEISHI (CFME) |
| P3-31: | Basic Characteristics of RFID Antenna for Detection of Urination | Hiromasa NAKAJIMA (DMSE), Masaharu TAKAHASHI, Kazuyuki SAITO (CFME), Koichi ITO (DMSE) |

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| P3-32: | Analyses of Molecular Transport and Fluid Motion in Hollow Fiber Blood Dialyzer | Toshiaki OSUGA (CFME), Tomoya UEHARA (Med. Pharmaceutical Sciences), Yutaka TAMURA (Grad. Sc. Med.), Jin YONGJIE (Grad. Sc. Advanced Integration Science), Ken'ichiro YAMAMOTO (Tokyo Women's Medical Univ.), Hiroo IKEHIRA (Chiba-East-Hospital), Hidemune NAITO (Naito Medical Clinic) |
| P3-33: | Quantitative Evaluation for Blood Tube Motion in Medical Imaging | Jin YONGGJIE (Grad. Sc. Advanced Integration Science), Toshiaki OSUGA (CFME) |

Monitoring and Analysis of Vital Function

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| P3-34: | Wireless EEG System | Ichiro SHIMOYAMA, Yasufumi KASAGI (CFME), Tetsuji OKAMOTO (Thket), Tatsuo KAWAHAWA (Little Software), Iori KAWAHAWA (Little Software) |
| P3-35: | Joint Position Sense in the Knee Before and After Partial Meniscectomy | Hiroshi OUCHI (Kameda Medical Center), Shin YAMADA, Kotaro SHINGA, Shingo MURANAGA (KMC), Kazuhisa TAKAHASHI (Med.Orthopedic Surgery), Ichiro SHIMOYAMA (CFME) |
| P3-36: | Visual Evoked Potentials: Approaching and Going Away Cues | Ichiro SHIMOYAMA, Ryutarō OKAMOTO, Yasufumi KASAGI (CFME), Daisuke MATSUZAWA, Ken NAKAZAWA, Eiji SHIMIZU (Med. Cognitive Behavioral Physiology) |
| P3-37: | Implementing Feedback Error Learning for FES Control | Yuka KOIKE, Wenwei YU (DMSE) |
| P3-38: | A Study on Impaired Walking using a Biped Robot | Naofumi MIURA, Wenwei YU (DMSE) |
| P3-39: | A Study on the Upper Limb Muscular Reflexes For Prosthetic Applications | Hirokazu SOMA, Wenwei YU (DMSE) |
| P3-40: | Statistical Model of Diaphragm Motion Using Principal Component Analysis | Windra SWASTICA (DMSE), Yoshitada MASUDA (Chiba Univ. Hospital), Hideaki HANEISHI (CFME) |

Measurement and Analysis of Tissue Characterization

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| P3-41: | Evaluation on Effect of Implanted Cardiac Pacemaker by Mobile Phone | Yuta ENDO (DMSE), Kazuyuki SAITO (CFME), Soichi WATANABE (NICT), Masaharu TAKAHASHI (CFME), Koichi ITO (DMSE) |
| P3-42: | Evaluation of SARs in Fetus between Three Different Gestational Weeks | Akihiro TATENO, Shimpei AKIMOTO (DMSE), Tomoaki NAGAOKA (NICT), Kazuyuki SAITO (CFME), Soichi WATANABE (NICT), Masaharu TAKAHASHI (CFME), Koichi ITO (DMSE) |
| P3-43: | Physical Mechanism of Intra-body Communication Channels | Nozomi HAGA (DMSE), Kazuyuki SAITO, Masaharu TAKAHASHI (CFME), Koichi ITO (DMSE) |
| P3-44: | The ERD/ERS Analysis on the Time Courses of Activated Areas in the Motion-defined Pattern Perception | Shinichiro KAMIYA, Atsushi KODABASHI, Masaki SEKINE, Yuji HIGASHI, Toshiaki OTUBO, Toshiro FUJIMOTO, Toshiyo TAMURA (DMSE) |
| P3-45: | Analysis of Gloss on Tongue Surface and its Application for Diagnostic Assistance | Kanako TAKEDA, Toshiya NAKAGUCHI (DMSE), Takeshi OJI, Yuji KASAHARA, Takao NAMIKI (Dept. Kyosuke TAKAHASHI, Toshiya NAKAGUCHI (DMSE), Ryutarō OKAMOTO, Ichiro SHIMOYAMA, Yoichi MIYAKE (CFME) |
| P3-46: | Evaluation of Biological Effect on Brightness of Stereoscopic Displays | Yoichiro TAKEUCHI, Kenta INOUE (DMSE), Yoshifumi SAIJO (Tohoku Univ.), Kazuto KOBAYASHI (Honda Electronics co.), Tadashi YAMAGUCHI (CFME) |
| P3-47: | Acoustic Characteristics Measurement of Rat Liver by Multi-frequency Ultrasound | Ryo NARISAWA, Mikio SUGA (DMSE), Tadashi YAMAGUCHI (CFME) |
| P3-48: | Measurement of Tissue Physical Properties of Rat Liver using Multi-modality Measurement System | Kosuke FUJITA, Wenli WU (DMSE), Naohisa KAMIYAMA (Toshiba Medical Systems co.), Tadashi YAMAGUCHI (CFME) |
| P3-49: | Ultrasound Assisted Quantitative Diagnosis Method for Liver Fibrosis | Jin CHUNMEI (Faculty of Eng.), Tetsuya SAKAJIRI (Univ. Morioka), Shin'ichi NAGAMATSU (Univ. Electro-communications), Yusuke IZUTANI, Keiko KITAGISHI (Otsuka Electronics), Seiji TSUZUKI, Hideo ORITA (Nat'l Inst. Advanced Industrial Science and Technology), Toshiaki OSUGA (CFME) |
| P3-50: | Terahertz Spectrum Analyses of Biocompatible Materials | |

※ 14:15 - 15:45 Presenters of the poster of odd numbers stands in front of their own poster

15:45 - 17:15 Presenters of the poster of even numbers stands in front of their own poster