

医用・生体工学研究会

〔委員長〕伊良皆 啓治 (九州大学)
〔副委員長〕榊田 晃司 (東京農工大学)
〔幹事〕江田 英雄 (光産業創成大学) , 八木 透 (東京工業大学)

日時 平成21年8月13日 (木) 8:45~17:20
8月14日 (金) 8:45~17:30

場所 Club Andaman Group, Phuket, Thailand. プークェット国際空港からタクシーで約30分。
<http://www.clubandaman.com/en3/>

共催 タイ医用電子工学会(ThaiBME),
IFMBE(International Federation for Medical and Biological Engineering)
本研究会は, ThaiBME が主催, IFMBE が共催する以下の国際会議と共催で開催された。
The 2nd Biomedical Engineering International Conference (BMEiCON2009)

議題 BMEiCON2009 特集 (同国際会議と共催の special issue)

- MBE-10-040 DETERMINATION OF VIBRIO CHOLERAЕ O1 BASED ON MICROCANTILEVER BIOSENSOR USING DYNAMIC FORCE MICROSCOPY
A. Sappat, T. Lomas, A. Tuantranont (National Electronics and Computer Technology Center, Thailand)
U. Sungkanak, C. Promptmas (Mahidol University, Thailand)
- MBE-10-041 EFFECT OF DENGUE ANTIBODY TO THE TRANSMISSION MODEL OF DENGUE DISEASE
R. Kongnuy, P. Pongsumpun (King Mongkut's Institute of Technology Ladkrabang, Thailand)
- MBE-10-042 EFFECT OF SLURRY PREPARATION ON HYDROXYAPATITE SCAFFOLDS
C. Yatongchai, N. Monmaturapoj (National Metal and Materials Technology Center, Thailand)
- MBE-10-043 CAPACITIVE SENSING TELEMETRY CAPSULE
S. H. Woo, Q. Wei, Z. Mohy Ud Din, M. W. Lee, M. W. Kim, J. W. Lee, E. S. Chung, D. W. Kim, C. H. Won, J. H. Cho (Kyungpook National Univ., South Korea)
- MBE-10-044 AN INVESTIGATION ON THE HEART RATE VARIABILITY IN ELDERLY MYOCARDIAL INFARCTION PATIENTS
Jarree Chaicharn (Thammasat University, Thailand)
- MBE-10-045 EFFECT OF SiO AND ZrO2 ADDITION ON THE COMPRESSIVE STRENGTH OF GLASS IONOMER CEMENT
W. Soodsawang, N. Monmaturapoj, S. Tanodekaew (National Metal and Materials Technology Center, Thailand)
- MBE-10-046 AGE STRUCTURAL MODEL WITH FOUR SEROTYPES OF DENGUE DISEASE
P. Pongsumpun (King Mongkut's Institute of Technology Ladkrabang, Thailand)
- MBE-10-047 METAL GUARDER COULD PREVENT THE SPREAD OF TISSUE DESICCATION: THE NEXT CONCEPT FOR SAFETY BIPOLAR ELECTRO-COAGULATOR
K. Khampitak, S. Taechajedcadarungr (Khon Kaen University, Thailand)

- MBE-10-048 PHOTOPOLYMERIZATION OF ACRYLIC-BASED RESINS PROCESSED BY STEREO LITHOGRAPHY FOR MEDICAL APPLICATIONS
S. Channasanon, P. Uppanan, S. Tanodekaew (National Metal and Materials Technology Center, Thailand)
- MBE-10-049 EFFECT OF QUATERNARY AMMONIUM MODIFIED CHITIN-PAA GELS ON HUMAN DERMAL FIBROBLAST CULTURED IN THREEDIMENSIONAL COLLAGEN GEL
P. Uppanan, S. Channasanon, S. Tanodekaew (National Metal and Materials Technology Center, Thailand)
- MBE-10-050 POLY(BUTYLENE SUCCINATE) MICROSPHERE INCORPORATED CARBOXYMETHYLCHITOSAN SCAFFOLDS: PREPARATION AND PROPERTIES
B. Thavornyutikam, W. Kosorn, P. Uppanan, W. Janvikul (National Metal and Materials Technology Center, Thailand)
- MBE-10-051 STUDY ON ANTIBACTERIAL ACTIVITY OF QUATERNARY AMMONIUM SALTS OF POLYSACCHARIDES
P. Ngamviriyavong, P. Tanjak, W. Janvikul (National Metal and Materials Technology Center, Thailand)
- MBE-10-052 AUTO FOCUSING AND IMAGE ENHANCEMENT TECHNIQUES FOR TELE-SLIT LAMP MICROSCOPY
P. Jaiwat, T. Sirijuntanun, W. Kongprawechnon, T. Kondo, K. Ekkachai, T. Leelasawassuk and K. Tungpimolrut (Thammasat University, Thailand)
- MBE-10-053 COATING OF HYDROXYAPATITE BY SOL-GEL TECHNIQUE: INFLUENCE OF HYDROLYSIS AGENTS
Waraporn Suvannapruk, Kitiya Wasoontararat, Jintamai Suwanprateeb (National Metal and Materials Technology Center, Thailand)
- MBE-10-054 ACELLULAR BIOACTIVITY OF 3DP HYDROXYAPATITE AND APATITE WOLLASTONITE GLASS CERAMIC REINFORCED HYDROXYAPATITE
Rung-arun Sanngam, Waraporn Suvannapruk, Thammarat Panyathanmaporn, Jintamai Suwanprateeb (National Metal and Materials Technology Center, Thailand)
- MBE-10-055 3D SURFACE REMOVAL WITH VISUALIZATION TOOLKIT LIBRARY
W. Narkbuakaew, S. S. Thongvigitmanee, D. Gansawat, P. Yampri, K. Koonsanit, W. Sinthupinyo (National Electronics and Computer Technology Center, Thailand)
- MBE-10-056 INFLUENCE OF SOAKING SOLUTIONS ON LOW TEMPERATURE PHASE CONVERSION TO CALCIUM PHOSPHATE OF 3DP CALCIUM SULFATE OBJECT
Kitiya Wasoontararat, Waraporn Suvannapruk, Jintamai Suwanprateeb (National Metal and Materials Technology Center, Thailand)
- MBE-10-057 DEVELOPMENT OF X-RAY IMAGE USING PHOSPHORESCENT COUPLED WITH MICROCONTROLLER
K. Noimanee, S. Noimanee (Chiang Mai University, Thailand)
M. Sangworasil, C. Pintavirooj (King Mongkut's Institute of Technology Ladkrabang, Thailand)
- MBE-10-058 DESIGN OF ECG'S WEB SERVICES WITH LOW POWER RF MODULE FOR MSMC
S.Noimanee (Chiang Mai University, Thailand)
P.Khunja (Ultradit Rajabhat University, Thailand)
N.Laoorpugsin, Wattanasirichaigoon (Srinakharinwirot University, Thailand)
- MBE-10-059 CAN DUAL EXCITATION TECHNIQUES MAKE NON-UNIFORM FIELD MORE UNIFORM FOR LEFT VENTRICULAR VOLUME MEASUREMENT USING CONDUCTANCE CATHETERISATION
C. Thaijiam (Srinakharinwirot University, Thailand)
- MBE-10-060 A SPATIO-TEMPORAL FRAMEWORK FOR MEG/EEG EVOKED RESPONSE AMPLITUDE AND LATENCY VARIABILITY ESTIMATION

T. Limpiti (King Mongkut's Institute of Technology Ladkrabang, Thailand)
B. D. Van Veen, R. T. Wakai (University of Wisconsin-Madison, USA)

- MBE-10-061 CLASSIFYING ECG BEATS USING AUTOCORRELATION FUNCTION AND DISCRETE COSINE TRANSFORM
S. Pathoumvanh, S. Airphaiboon, Y. Kitjaidure (King Mongkut's Institute of Technology Ladkrabang, Thailand)
K. Hamamoto (Tokai University, Japan)
- MBE-10-062 ECG FEATURES EXTRACTION FOR HUMAN IDENTIFICATION
N. Lekhawijitler, S. Pathoumvanh and S. Airphaiboon (King Mongkut's Institute of Technology Ladkrabang, Thailand)
- MBE-10-063 TEXT WATERMARKING ON ECG SIGNAL USING MEAN-QUANTIZATION ALGORITHM
S. Pathoumvanh, S. Kaengin and S. Airphaiboon (King Mongkut's Institute of Technology Ladkrabang, Thailand)
- MBE-10-064 COMMUNICATION AID DEVICE FOR HEARING AND SPEAKING IMPAIRED PERSON
J. Atcharyawong, C. Wangwiwattana, K. Chitsakul (King Mongkut's Institute of Technology Ladkrabang, Thailand)
- MBE-10-065 GROWTH KINETICS OF RAT'S MESENCHYMAL STEM CELLS CULTURED ON GELATIN/HYDROXYAPATITE SCAFFOLDS IN A STATIC AND AN INFUSION BIOREACTOR
N. Vachiraroj, S. Damrongsakkul, S. Kanokpanont (Chulalongkorn University, Thailand)
- MBE-10-066 BREATH MOTION MONITORING SYSTEM
S. Chinwaraphat, T. Leauhatong, M. Sangworasil, C. Pintavirooj (King Mongkut's Institute of Technology Ladkrabang, Thailand)
- MBE-10-067 INVESTIGATION OF NEONATAL EEG TIME SERIES USING A MODIFIED NONLINEAR DYNAMICAL ANALYSIS
S. Janjarasitt (Ubon Ratchathani University, Thailand)
M. S. Scher, K. A. Loparo (Case Western Reserve University, USA)
- MBE-10-068 ENHANCED 2D REFLECTION UCT IMAGING BY REFLECTING METAL PLATE
A. Sanpanich, Y. Wongprasert, M. Sangworasil, S. Boonsang, C. Pintavirooj (King Mongkut's Institute of Technology Ladkrabang, Thailand)
K. Hamamoto (Tokai University, Japan)
- MBE-10-069 COMPARISON OF FIELD MAPS GENERATED BY PHASE LABELING USING SENSE (PLUS)
U. Techavipoo (National Electronics and Computer Technology Center, Thailand)
J. Lackey, J. Shi, T. Leist, S. Lai (Thomas Jefferson University, USA)
- MBE-10-070 ULTRAHIGH SENSITIVITY OF QUARTZ CRYSTAL MICROBALANCE BIOSENSOR FOR CARDIOVASCULAR DIAGNOSIS
K. Wong-ek, O. Chailapakul (Chulalongkorn University, Thailand)
K. Jaruwongrungrsee, N. Nuntawong, A. Tuantranont (National Electronics and Computer Technology Center, Patumthanee, Thailand)
- MBE-10-071 PREPARATION OF SURFACE PLASMON RESONANCE SENSOR CHIPS WITH DIFFERENT DEXTRAN BRUSH DENSITIES
N. Intaraprasit, K. Boonkitpattarakul, K. Mai-ngam (National Metal and Materials Technology Center, Thailand)
J. Sansatsadeekul (Mahidol University, Thailand)
- MBE-10-072 SURFACE PLASMON RESONANCE STUDIES OF NON-SPECIFIC PROTEIN ADSORPTION TO BIMODAL POLYMER BRUSHES

K. Boonkitpattarakul, N. Intaraprasit, K. Mai-ngam (National Metal and Materials Technology Center, Thailand)
J. Sansatsadeekul (Mahidol University, Thailand)

- MBE-10-073 A DESIGN AND CONSTRUCTION OF TEMPERATURE CONTROL DEVICE OF CARDIOPLEGIA SOLUTION SET
P.Kotphootorn, S.Thanungkul, S.Thanawan, K.SaiKhun, S.Yoksan, S.Daochai (Mahidol University, Thailand)
- MBE-10-074 A PROTOTYPE OF TREATMENT REPORT DEVELOPMENT IN DENTAL IMPLANT PLANNING SOFTWARE USING JAVA SWING
K. Koonsanit, D. Gansawat, S. S. Thongvigitmanee, W. Narkbuakaew, P. Yampri, W. Sinthupinyo (National Electronics and Computer Technology Center, Thailand)
- MBE-10-075 A DESIGN AND CONSTRUCTION OF A PELVIC FLOOR MUSCLE STRENGTH EVALUATION DEVICE ANALYZED, DISPLAYED AND RECORDED BY STORAGE INFORMATION IN LAPTOP
S.Kamthaworn, S.Thanungkul, J.Manonai, S.Thanawan, K.Saikhun, S.Yoksan, S.Daochai, S.Sarit-apirak (Mahidol University, Thailand)
- MBE-10-076 MINIATURE COMPUTED TOMOGRAPHY SYSTEM USING THE MULTIPLE CAMERAS X-RAY DETECTOR
N. Srisuk, V. Jantanayingyong, N. Atiwongsangthong, C. Pintavirooj (King Mongkut's Institute of Technology Ladkrabang, Thailand)
- MBE-10-077 INDIRECT X-RAY ARRAY DETECTOR SYSTEM WITH LINEAR CHARGE COUPLE DEVICE (CCD)
C.Jantaco, S.Maneejamrut, C.Nantajiwakornchai, M.Sangworasil, C.Pintavirooj (King Mongkut's Institute of Technology Ladkrabang, Thailand)
- MBE-10-078 NASAL AIRFLOW SIMULATION IN HUMAN USING A COMPUTATIONAL FLUID DYNAMICS (CFD)
K. Hemtiwakorn, N. Phoocharoen, S. Tungjitkusolmun, C. Pintavirooj (King Mongkut's Institute of Technology Ladkrabang, Thailand)
- MBE-10-079 A SIMULATION OF ELECTRIC POTENTIAL DISTRIBUTIONS IN ABNORMAL BRAIN USING FINITE ELEMENT MODEL
P. Yambangyang, S. Tungjitkusolmun (King Mongkut's Institute of Technology Ladkrabang, Thailand)
C. Neatpisarnvanit (Mahidol University, Thailand)
- MBE-10-080 ANALYSIS OF AIRFLOW AND THERMAL DISTRIBUTION EFFECT ON A NEWBORN'S BODY INSIDE THE INFANT INCUBATOR
K.Mahaphonchaikul, N.Chuaychunu, M.Sangworasil, C.Pintavirooj (King Mongkut's Institute of Technology Ladkrabang, Thailand)
M.Lohakan (King Mongkut's Institute of Technology North Bangkok)
- MBE-10-081 THE DETECTION OF BRUGADA SYNDROME TYPE ECG USING SIGNAL FEATURE ANALYSIS
P. Bangcharoensap, U. Doungsud (Buranarumluk School, Thailand)
S. Kamolphiwong (Prince of Songkla University, Thailand)
- MBE-10-082 A 3D GAUSSIAN CURVATURE - BASED FACEPRINT
W. Iampa, P. Tosranon, C. Pintavirooj (King Mongkut's Institute of Technology Ladkrabang, Thailand)
F.S. Cohen (Drexel University, USA)
- MBE-10-083 RELATION OF HRTF CHARACTERISTICS WITH HUMAN AUDITORY LOCALIZATION ACCURACY
S. Suzuki, M. Murase, A. Tsugawa and T. Takahashi (SEIKEI University, Japan)

- MBE-10-084 DISTANCE MEASUREMENT ON A 3D SURFACE MODEL BY USING VTK LIBRARY
P. Yampri, S. Thongvigitmanee, W. Narkbuakaew, D.Gansawat, K. Koonsanit, W. Sinthupinyo (National Electronic and Computer Technology Center, Thailand)
- MBE-10-085 TRACTION STRENGTH OF KHAMPITAK UTERINE SCREW FOR MODIFIED LAPAROSCOPICALLY ASSISTED VAGINAL HYSTERECTOMY
S.Taechajedcadarungri, K.Khampitak (Khon Kaen University, Thailand)
- MBE-10-086 PMA: A SOFT BIOMIMETIC ACTUATOR FOR BIOMEDICAL APPLICATIONS
P. Artrit (Khon Kaen University, Thailand)
K. Nuaekaw (Esan Univesity, Thailand)
S.Laopa (Seagate Technology, Ltd., Thailand)
- MBE-10-087 MICROWAVE ABLATION SYSTEM FOR HUMAN EYE USED NON-ASYMMETRY STRUCTURE ANTENNA
P.Nantivatana, P.Phasukkit, M.Sangworasil, S.Tungjitkusolmun (King Mongkut's Institute of Technology Ladkrabang, Thailand)
- MBE-10-088 COMPARISON OF HUMAN EMOTION RECOGNITION THROUGH DIFFERENT SET OF EEG CHANNELS
M.Murugappan, R.Nagarajan, S Yaacob (Universiti Malaysia Perlis, Malaysia)
M Rizon, Ali Al-Mejrad (King Saud University, Saudi Arabia)
- MBE-10-089 PCA BASED MEASUREMENT OF TOOTH ROOT LENGTH
P. Choorat, W. Chiracharit, K. Chamnongthai (King Mongkut's University of Technology Thonburi, Thailand)
S. Kiattisin (University of the Thai Chamber of Commerce, Thailand)
- MBE-10-090 QCM SENSOR ARRAY WITH INTEGRATED PDMS MICROCHAMBER FOR BIOSENSING APPLICATIONS
K.Jaruwongrungrsee, T.Matuross, A.Wisitorsa-at, A.Tuantranont (National Electronics and Computer Technology Center, Thailand)
K. Wong-ek (Chulalongkorn University, Thailand)
M.Sangworasil, C.Pintavirooj (King Mongkut's Institute of Technology Ladkrabang, Thailand)
- MBE-10-091 FLUORINATED DIAMOND-LIKE CARBON COATINGS BY PLASMA BASED ION IMPLANTATION FOR BIOMEDICAL APPLICATION
C.Jongwannasiri, A.Khantachawana, P.Kaewtatip (King Mongkut's University of Technology Thonburi, Thailand)
N.Moolsradoo, S.Watanabe (Nippon Institute of Technology, Japan)
- MBE-10-092 A STUDYING AND MODELING OF COMMUNICATION TECHNOLOGIES FOR TELEHEALTH
K. Warasup, S. Yamsaengsung (King Mongkut's University of Technology Thonburi, Thailand)
- MBE-10-093 SYNTHESIS AND CHARACTERIZATION OF BIMODAL CARBOXYLIC DEXTRAN CHIPS WITH DIFFERENT BRUSH DENSITY FOR SURFACE PLASMON RESONANCE BIOSENSOR
J.Sansatsadeekul, J.Sakdapipanich (Mahidol University, Thailand)
K.Boonkitpattarakul, N.Intaraprasit, K. Mai-ngam (National Metal and Materials Technology Center, Thailand)
- MBE-10-094 AUTOMATIC CLASSIFICATION OF LEUKOCYTES BASED ON IMAGE PROCESSING
C.Srijad, W.Wongwiriyapan, M.Sangworasil, C.Pintavirooj, A.Sanpanich (King Mongkut's Institute of Technology Ladkrabang, Thailand)
- MBE-10-095 DUAL CAMERAS ACQUISITION FOR THREE-DIMENSIONAL EYE-MOTION TRACKING
S.Wibirama, S.Tungjitkusolmun, C.Pintavirooj (King Mongkut's Institute of Technology Ladkrabang, Thailand)
K.Hamamoto (Tokai University, Japan)

- MBE-10-096 IRIS LOCALIZATION BASE ON WAVELET TRANSFORM AND CONTOUR FOLLOWING TECHNIQUE
B.Songpinit, S.Airphaiboon (King Mongkut's Institute of Technology Ladkrabang, Thailand)
- MBE-10-097 DEVELOPMENT OF SIGNAL PROCESSING CHIP (SP CHIP) FOR ALCOHOL SCREENING
T.Pogfay, A.Wisitsora-at, T.Lomas, A.Tuantranont (National Electronics and Computer Technology Center, Thailand)
T.Thantipwan (Silicon Craft Technology Co., Ltd, Thailand)
M.sangworasil (King Mongkut's Institute of Technology Ladkrabang, Thailand)
- MBE-10-098 UNSUPERVISED BACKGROUND ELIMINATION FOR NEUROBLASTOMA MICROSCOPIC IMAGES
Y.Surut, P.Phukpattaranont (Prince of Songkla University, Thailand)
S.Shuangshoti (Chulalongkorn University, Thailand)
- MBE-10-099 ESTIMATION AND MEASUREMENT OF SIMULTANEOUSLY AUDIO-VISUAL PERCEPTION IN NON-MUSICIAN BRAIN:MISMATCH NEGATIVITY STUDIES
W.Sittiprapapom, Do Hyung Kang, Bo Reom Lee (Seoul National University College of Medicine, Korea)
Kyung Whun Kang, Jun Soo Kwona (Seoul National University Hospital, Korea)
- MBE-10-100 DICOM-FORMAT IMAGE ARCHIVE AND DICOM VIEWER
P.Suapang, C.Prasitsathapron, S.Janpuk (Rangsit University, Thailand)
S.Yimmun (King Mongkut's University of Technology North Bangkok, Thailand)
- MBE-10-101 MEDICAL IMAGE COMPRESSION
P.Suapang (Rangsit University, Thailand)
S.Yimmun (King Mongkut's University of Technology North Bangkok, Thailand)
- MBE-10-102 QUALITY ASSESSMENTS OF THE INFUSION PUMP:SERVICING ASPECTS
Y.Kajorpredanon, S.Daochai, C.Apaiwong, R.Rattanakajomsak (Mahidol University, Thailand)
- MBE-10-103 AN INVESTIGATION OF THE CORRELATION BETWEEN DERMAL LIGHT REFLECTANCE AND TOTAL SERUM BILIRUBIN USING TRANSCUTANEOUS OPTICAL – BASED MULTI – WAVELENGTH MONITORING
T.BADISAK, S.TANTHANUCH, B.WONGKITTISUKSA, P.PHUKPATTARANONT
A.TATREEMONTREECHAI, S.SANGKHATHAT NA-AYUDHAYA (Prince of Songkla University, Thailand)
- MBE-10-104 PRELIMINARY RESULTS OF ELECTRICAL IMPEDANCE TOMOGRAPHY SIMULATION FROM VARIOUS REGULARIZATIONS
N.Duklong, C.Limsakul, B.Wongkittisuksa (Prince of Songkla University, Thailand)
- MBE-10-105 FRACTAL FEATURES OF ELECTROENCEPHALOGRAPH SIGNAL FOR BCI APPLICATIONS: A REVIEW
M. Phothisonothai (Burapha University, Thailand)
- MBE-10-106 AN INVESTIGATION OF GAIT ANALYSIS USING BIOIMPEDANCE TECHNIQUE
K.Seepan, B.Wongkittisuksa, P.Phukpatranont, S.Tanhanuch (Prince of Songkla University, Thailand)
- MBE-10-107 REAL-TIME MONITORING OF HUMAN MOVEMENT BY MEMS ACCELEROMETER WITH WIRELESS ZIGBEE
N.Watthanawisuth, T.Lomas, A.Wisitsoraat and A.Tuantranont (National Electronic and Computer Technology Center, Thailand)
- MBE-10-108 DETRENDED FLUCTUATION ANALYSIS OF ELECTROMYOGRAPHY SIGNAL TO IDENTIFY HAND MOVEMENT
A.Phinyomark, C.Limsakul, P.Phukpattaranont (Prince of Songkla University, Thailand)
M.Photisonothai (Burapha University, Thailand)

- MBE-10-109 BLIND SOURCE SEPARATION OF ELECTROMYOGRAPHY USING INDEPENDENT COMPONENT ANALYSIS
C.Praliwanon, D.Sueaseenak, M.Sangworasil, C.Pintavirooj (King Mongkut's Institute of Technology Ladkrabang, Thailand)
T.Chanwimalueang, N.Laopugsin (Srinakharinwirot University, Thailand)
K.Magatani (Tokai University)
- MBE-10-110 FACIAL EXPRESSION RECOGNITION FROM NON-FRONTAL-VIEW FACE DATA: A BRIEF TUTORIAL OVERVIEW
C.Theekapun, S.Wongwit (Srinakharinwirot University, Thailand)
- MBE-10-111 A COMPUTER AIDED ANALYSIS FOR IDENTIFICATION OF FLUORESCENCE-IMAGING BACTERIA
S.Kiattisin (University of The Thai Chamber of Commerce, Thailand)
- MBE-10-112 A SYSTEM OF SMOKE DETECTION AND WIRELESS ALARM BY SENDING SMS
A.Leelasantitham (University of the Thai Chamber of Commerce, Thailand)
- MBE-10-113 SYNTHESIS AND CHARACTERIZATION OF FOLATE-TARGETED CHITOSAN CORE-SHELL NANOPARTICLES FOR DOXORUBICIN DELIVERY
C.Manaspon, K.Viravaidya-Pasuwat (King Mongkut's University of Technology Thonburi, Thailand)
N.Pimpha (National Science and Technology Development Agency, Thailand)
- MBE-10-114 PERFORMANCE TEST OF THE PROTOTYPE DEFIBRILLATOR ANALYZER
Y.Kajorpredanon, S.Daochai, C.Apaiwong, R.Rattanakajornsak (Mahidol University, Thailand)
- MBE-10-115 A DESIGN OF PORTABLE ECG RECORDER
S.Tretriluxana, K.Bilgasun, K.Chitsakul (King Mongkut's Institute of Technology Ladkrabang, Thailand)
- MBE-10-116 EVALUATION OF ALGINATE-CARBOXYMETHYLCHITOSAN EFFECT ON PACKING RABBIT NASAL MUCOSA
V.Mahasitthiwat, B.Panyarachun (Srinakharinwirot University, Thailand)
W.Janvikul (National Metal and Materials Technology Center, Thailand)
- MBE-10-117 PERFORMANCE EVALUATION OF FIELD SMOOTHING FILTERS
K.Sihalath, S.Choomchuay (King Mongkut's Institute of Technology Ladkrabang, Thailand)
S.Wada (Meiji University, Japan)
K.Hamamoto (Tokai University, Japan)
- MBE-10-118 ULTRASOUND POWER MEASUREMENT SYSTEM USING RADIATION FORCE BALANCE TECHNIQUE
S.Umchid (King Mongkut's University of Technology North Bangkok, Thailand)
K.Jaksukam, K.Promasa, V.Plansangmas (National Institute of Metrology Thailand, Thailand)
- MBE-10-119 ECG SIGNAL COMPRESSION USING DYNAMIC TIME WARPING
Y.Chompusri, K.Dejhan (King Mongkut's Institute of Technology Ladkrabang, Thailand)
S.Yimman (King Mongkut's University of Technology North Bangkok, Thailand)
- MBE-10-120 THE ANTI WAN KILLER IN ROUTER BY PREDICTIVE ALGORITHMS
P.Chaiprapa (University of the Thai Chamber of Commerce, Thailand)

◎ 講演時間 1件当り20分(質疑応答を含む)