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Table of Contents

KEYNOTE ADDRESS

Development of lead free radiation shielding glass: experimental and theoretical approach <i>J. Kaewkhao</i>	1
Proposal of a Touch Panel Switch with the Function of Bending and Addition - One of a New User Interface - <i>Seiichi Serikawa and Lifeng Zhang</i>	8
Instrument for Measuring Astronaut Body Mass <i>Yusaku Fujii, Akihiro Takita, Koichi Wakata, William Thornton and Kazuhito Shimada</i>	14
Discussion on Business of Free Software Products - through E-Jikei Network Project <i>Noriaki Yoshiura</i>	19
Tele-Medicine Techniques for Remote Support of Patients in Dialysis and COPD <i>Klaus Schilling</i>	23
Novel Measurement Method for Physical Activity Based on Electrostatic Induction Technique <i>Koichi Kurita</i>	29

ROBOTICS, AUTOMATED TEST & MEASUREMENT

GPS Water Vapor Monitoring and TroWav Updated for ENSO Studies <i>Wayan Suparta, Mandeep Singh Jit Singh, Mohd. Alauddin Mohd. Ali, Baharudin Yatim and Ahmad Norazhar Mohd Yatim</i>	35
A Preliminary Investigation Towards Test Suite Optimization Approach for Enhanced State-Sensitivity Partitioning <i>Myzatul Akmam Sapaat and Salmi Baharom</i>	40
Integration of GPS-INS with Kalman Filter For Rocket Navigation <i>Romi Wiryadinata, Thomas S. Widodo, Wahyu Widada, Sunarno, Sri Kliwati</i>	N/A.
Consensus-Based Controllers for Spacecraft Attitude Alignment: Simulation Results <i>Harry Septanto, Bambang Riyanto-Trilaksono, Arief Syaichu-Rohman and Ridanto Eko-Poetro</i>	52
Acoustic Analysis of High Care Unit (HCU) at Hospital "X" in Bandung, Indonesia <i>Febi Rhiana, Joko Sarwono, FX Nugroho Soelami</i>	58
Simplified Q-Learning for Holonomic Mobile Robot Navigation <i>Widyawardana Adiprawita, Adang Suwandi Ahmad, Jaka Sembiring, Bambang R. Trilaksono</i>	64
A Camera-Based Autonomous Mobile Robot on A Simple Simulated Highway <i>Brendan Adrian Marcellino, Endrowednes Kuantama and Sofyan</i>	69

COMMUNICATION & SECURITY

Entropy Simulation of Digital Information Sources and the Effect on Information Source Rates <i>Edmond Febrinicko Armay and Ilham Wahid</i>	74
Security Metrics: A Brief Survey <i>Tito Waluyo Purboyo, Budi Rahardjo and Kuspriyanto</i>	79

Development of A Single Square Ring Reflectarray Element for Bandwidth Enhancement <i>Siti Hafizah Yusop, Norbahiah Misran, Mohammad Tariqul Islam, and Muhammad Yusof Ismail</i>	83
An ASIC Implementation of Puncture and Spatial Stream Parser for MIMO Wireless LAN System <i>Andjas W. Ardiansyah, Yuhei Nagao, Masayuki Kurosaki, and Hiroshi Ochi</i>	87
Enhanced Bandwidth Reflectarray Antenna Using Variable Dual Gap <i>M.Y. Ismail and N.H. Sulaiman</i>	92
Efficient Tag-to-Tag Near Field Communication (NFC) Protocol for Secure Mobile Payment <i>Emir Husni, Kuspriyanto, Noor Basjaruddin, Tito Purboyo, Sugeng Purwantoro, Huda Ubaya</i>	97
3-Dimensional Analysis of Ground Penetrating Radar Image for Non-Destructive Road Inspection <i>Azzah, Antonius Darma Setiawan, Andriyan Bayu Suksmo</i>	102

BIOMEDICAL ENGINEERING

A portable screening system for onboard entry screening at international airports using a microwave radar, reflective photo sensor and thermography <i>Guanghao Sun, Shigeto Abe, Osamu Takei and Takemi Matsui</i>	107
Coronary Angiogram Stabilization for QuBE Values Calculation Using SIFT Method <i>A. Kusumawardhani, TLR. Mengko, I. Fahri, S. Soerianata, D. Firman, and H. Zakaria</i>	111
Automated Microaneurysm Detection Using Mathematical Morphology <i>Andimas Andi Purwita, Kresno Adityowibowo, Ashlih Dameitry, Made Widhi Surya Atman</i>	117
Low-Cost Automation of Gram's Microbiology Staining Method <i>Gerardo Kenny Rumindo, Maruli Panjaitan, Arko Djajadi</i>	121
Preliminary Study of Antivirus for Human Immunodeficiency Virus (HIV) using Combined Protease Enzyme (Bromelain) And Lipozyme <i>Jonathan Audhitya Suthihono, Maruli Panjaitan and Tutun Nugraha</i>	125
Study of Efficaciousness of Bromelain on Mammalian Cell Culture <i>Monica Lestari, Maruli Panjaitan and Joko Pamungkas</i>	129
Direct Reading Flame Photometer Using Digital Photography and Image Processing <i>Imagha M. Panditrao</i>	132
CT Lung Image Filtering Based on Max-Tree Method <i>Imanda, I Ketut Edy Purnama and Mauridhi Hery Purnomo</i>	137
Detection Method of Cerebral Aneurysm Based on Curvature Analysis from 3D Medical Images <i>I. Prasetya, T. L. R. Mengko, O. S. Santoso and H. Zakaria</i>	141
The Effect of Sericin Application Over Hydroxyapatite Surface on Osteoblast Cells Proliferation <i>Tri Sunarintyas and Widowati Siswomihardjo</i>	145
Abnormal Condition Detection of Pancreatic Beta-Cells as the Cause of Diabetes Mellitus Based on CT Image <i>Ratu Dody Lesmana, I Ketut Eddy Purnama, Mauridhi Hery Purnomo</i>	150
Signal Enhancement in Post-Processing of Multiple-Voxel Magnetic Resonance Spectroscopy <i>Murito Dwihapsari, J.P. Mostert, J.M. Hoogduin</i>	156
Comparison Studies of 2D and 3D Ultrasound Biparietal Diameter for Gestational Age Estimation <i>Chhin Wee, Lee Mee Yun, Tan Lee See and Eko Supriyanto</i>	163
Ultrasound Time Mapping based Human Face Identification System <i>M. A. Sumarang, M Haikal Satria and Eko Supriyanto</i>	168

Study on X-Ray Diffraction, Infra-Red Spectroscopy, and Microstructure of CoHA-Gelatin-PVA Biocomposite <i>Adhi Anindyajati, Alva Edy Tontowi and Punto Dewo</i>	246
Sensitivity Analysis of Silicon MEMS Thermal Flow Sensor for Spirometer Application <i>Ihsan Hariadi</i>	249
Using Pulse Oximetry Method As A Non Invasive Indicator of Blood Perfusion In Neonates <i>Naszariah Mohd Noor, Mohd Nasir Taib and Rosmina Jaafar</i>	254
Development of ECG Signal Interpretation Software on Android 2.2 <i>Kristoforus Hermawan, Aulia Arif Iskandar and Reggio N. Hartono</i>	259
Noninvasive Blood Pressure (NIBP) Measurement by Oscillometric Principle <i>Rosmina Jaafar, Hisham Mohamad Desa, Zulkifli Mahmoodin, Muhammad Rosli Abdullah, Zarimin Zaharudin</i>	265
Computational Hybrid Level-Set and Region Growing Techniques: A Strategy for 3D Fast Segmentation of Medical Images <i>Abdulfattah A. Aboaba, Shihab A. Hameed, Othman O. Khalifa, Aisha H. Abdalla</i>	N/A
Image Guided Surgery (IGS) Model for Emergency Surgical Intervention (ESI) <i>Abdulfattah A. Aboaba, Shihab A. Hameed, Othman O. Khalifa, Aisha H. Abdalla, Rahmat H. Harun, Nurzaini Rose Mohd Zain</i>	N/A
Vessel Enhancement Algorithm in Digital Retinal Fundus Microaneurysms Filter for Nonproliferative Diabetic Retinopathy Classification <i>R. Vidyasari, I. Sovani, and T.L.R. Mengko, H. Zakaria</i>	278
Design and Construction of Thermally Combined Microcurrent Electrical Therapy Device for Rheumatoid Arthritis Treatment <i>Yuda G. Hadiprodjo, Aulia A. Iskandar, and Tutun Nugraha</i>	282
Bicep Brachii's Force Estimation using MAV Method on Assistive Technology Application <i>Reza Darmakusuma, Ary S Prihatmanto, Adi Indrayanto and Tati L. Mengko</i>	288
Study and Design Framework for e-Dengue Teleconsultation System <i>Andik Setyono, Md. Jahangir Alam and Beatrice Ann Maria Soosai</i>	293
Design of a Decision Support System using Open Source Software for a Home Telehealth Application <i>Mas S. Mohktar, Kezhang Lin, Stephen J. Redmond, Jim Basilakis and Nigel H. Lovell</i>	298
Effective Bandwidth Allocation Algorithm for Medical Device Wireless Network <i>Indra H Mulyadi, N. M. A. Sumarang, Norlaili M Safri, and Eko Supriyanto</i>	304
Role of Pressure and Wall Shear Stress in Initiation and Development of Cerebral Aneurysms <i>Nedya Utami, Hasballah Zakaria, Tati L. R. Mengko, and Oerip S. Santoso</i>	310
Development of Automatic Continuous Passive Motion Therapeutic System <i>Michael Kharis Saputra and Aulia Arif Iskandar</i>	376
Comparison of Shear and Microtensile Failure Stresses in the Repair of Dental Composite Restorations <i>Margareta Rinastiti, Widowati Siswomihardjo and Mutlu Özcan</i>	380
3D Kinematics of Human Walking Based on Segment Orientation <i>S. Mihradi, A. I. Henda, T. Dirgantara, A. I. Mahyuddin</i>	386
Development of an Optical Motion-Capture System for 3D Gait Analysis <i>S. Mihradi, Ferryanto, T. Dirgantara, A.I. Mahyuddin</i>	391
Wearable Gait Measurement System Based on Accelerometer and Pressure Sensor <i>E. Parikesit, T.L.R. Mengko, H. Zakaria</i>	395
New Generation of Medical Implants: Metallic Biodegradable Coronary Stent	399

Hendra Hermawan, Diego Mantovani

In Vivo Study of Hydroxyapatite-Chitosan and Hydroxyapatite-Tricalcium Phosphate Bone Graft in Sheep's Bone as Animal Model 403

Deni Noviana, Gunanti Soedjono, Dudung Abdullah, Raden Harry Soehartono, Mokhamad Fakhrol Ulum, Riki Siswandi, Srihadi Agungpriyono, Santi Purwanti, Asmawati Ahmad, Ayu Berlianty, Ki Agus Dahlan, Djarwani S. Soedjoko

Synthesis of Hydroxyapatite from Local Bovine Bones for Biomedical Application 409

Isam Hilmi, Margareta Rinastiti and M.K. Herliansyah

CONTROL, MODELING & SIMULATION

Sliding Mode Power Control of PMSG Based Variable Speed Wind Energy Conversion System N/A
Y. Errami, M. Ouassaid, M. Maaroufi, M. Benchagra and M. Hillaal

Application of Backstepping Controller for Maximum Power Extraction of Wind Turbine N/A
Mohamed Benchagra, Mohamed Maaroufi, Mohamed Ouassaid

Simulating The Movement Of The Crowd In An Environment Using Flocking 186
Meilany Dewi, Moch Hariadi and Mauridhi Hery Purnomo

Simulation of Spontaneous Emission Power on Silicon Based Quantum Dot with Variation of Light Source and Dot Size 192
Yudhistira, Fitria Rahayu, and Yudi Darma

Contouring Posterior and Lateral Tibia of Javanese People Based on X-Rays Images 197
Suyitno, B. Arifvianto, R.R.A. Sriwijaya, Y.H. Nugroho, M. Mahardika, P. Dewo

Digital Simulation of the FACTS System with 60-pulse GTO-based Voltage Source Converter 201
Rachmad Syafutra Lubis

Modeling and Simulation of Generalized Unified Power Flow Controller (GUPFC) 207
Rachmad Syafutra Lubis

Static Output Feedback Control Synthesis for Nonlinear Polynomial Fuzzy Systems Using a Sum of Squares Approach 214
Bomo Wibowo Sanjaya, Bambang Riyanto Trilaksono, Arief Syaichu-Rohman

SIGNAL PROCESSING

Wyner-Ziv Video Coding With Improved Motion Field Using Bicubic Interpolation 218
I Made Oka Widyantara, Wirawan and Gamantyo Hendrantoro

Feature Selection via Dimensionality Reduction for Object Class Recognition 223
Noridayu Manshor, Alfian Abdul Halin, Mandava Rajeswari and Dhanesh Ramachandram

Fundamental Frequency Estimation of Pathological Speech using Linear Phase Wavelet N/A
Dhany Arifianto

Type 2 Fuzzy Adaptive Binary Particle Swarm Optimization for Optimal Placement and Sizing of Distributed Generation 233
Adi Soeprijanto and Muhammad Abdillah

Color Image Processing for Measuring Length Deformation in Compression Test 239
Riska Ekawita, Eko Widiatmoko, Suprijadi, Hasbullah Nawir, Endra Susila, Khairurrijal

Fuzzy Assisted Parameter Selection Rule in Regularized Newton Algorithm of Electrical Impedance Tomography 242
Deddy Kurniadi, Mohammad Rohmanuddin and Anton Maulana

PHYSICAL & CHEMICAL EFFECT

- Hybrid Surface Treatment for Improving Mechanical and Surface Properties of AISI 316L Stainless Steel 315
B. Arifvianto, Suyitno, M. Mahardika
- Thermal Performance of Fuel Pellet Containing Large Grains and CerMet Pellet of UO₂-Metal N/A
Suwardi and Jan Setjawan
- Quantum Size Effect Simulation and Ge Composition on SiGe Quantum Dot for Intermediate Band Solar Cell Applications 321
Fitria Rahayu and Yudi Darma
- Synthesis and Characterization of Gd and Er Co-Doped Ceria As Solid Electrolyte for IT-SOFC via Solid State Method 326
Arie Hardian and Ismunandar
- Modeling Ionic Conduction in γ -Bi₂VO_{5.5} 330
Akram La Kilo, Bambang Prijamboedi, Muhamad A. Martoprawiro, and Ismunandar
- Conductivity and solid state ²⁹Si NMR studies of apatite-type lanthanum silicate prepared by hydrothermal method 334
Atiek Rostika Noviyanti, Bambang Prijamboedi, I. Nyoman Marsih, Rino R. Mukti, Ismunandar
- Temperature Dependent Study of Bi₂V_{1-x}Ga_xO_{5.5} (x = 0.1 and 0.15) Oxides 338
Ismunandar, Rolan Rusli, Hasan Ramdan
- Demonstration of Renewable Electrical Energy Generation based on Solar-Hydrogen Fuel Cell Technology 342
Daniel Santoso, Fransiscus Dalu Setiaji, and Deddy Susilo

SENSOR & ACTUATOR DESIGN

- Measuring Air Pollutant Standard Index (ISPU) with Photonics Crystal Sensor based on Wireless Sensor Network (WSN) 348
Muhamad Azis, Erus Rustami, Wenny Maulina, Mamat Rahmat, Husin Alatas, and KudangBoro Seminar
- Fabrication and Characterization of NO₂ Gas Sensor Based On One Dimensional Photonic Crystal for Measurement of Air Pollution Index 352
W. Maulina, M. Rahmat, E. Rustami, M. Azis, D.R. Budiarti, D.Y.N. Miftah, A. Maniur, A. Tumanggor, N. Sukmawati, H. Alatas, K.B. Seminar, AS. Yuwono
- An Integrated Optical Instrumentation for Measuring NO₂ Gas Using One Dimensional Photonic Crystal 356
Erus Rustami, Muhamad Azis, Wenny Maulina, Mamat Rahmat, Husin Alatas, and Kudang Boro Seminar
- Measurements of Bowel Microdialysis Recovery with an Online Biosensor System 361
Emma P. Corcoles, Samer Deebe, George. B. Hanna, Martyn G. Boutelle, Ara Darzi
- Development of New Coated Wire Nitrate Selective Electrode Sensor for Determination of Nitrate Concentration in an Aqueous Sample 366
Buchari, B., Indra Noviandri, Mitra Djamal and Maria Evita
- Development of a New Giant Magnetoresistance Material Based on Organic Material 372
Mitra Djamal, Ramli, Sparisoma Viridi and Khairurrijal

KEYNOTE ABSTRACTS

Nanocoatings, Degradable Metals and Surface Fonctionnalisation: Towards High-Performance Cardiovascular Biomaterials <i>Diego Mantovani</i>	412
The Role of Non-Biodegradable Antibiotic Loaded Beads in Orthopaedic Field – Science and Clinical Experience <i>Hermawan Nagar Rasyid</i>	413
A Suitable Telehealth Model for Developing Countries <i>Bio Supriyanto</i>	414
Application Specific e-Health & Telemedicine Systems: Implementation Experience for Community Healthcare and Systematic Review of Disaster Publications <i>Soegardjo Soegijoko</i>	415
State of the Art and Future Developments in Electro Mobility <i>Hans-Dieter Lies</i>	417
Development of Fluxgate Sensors and Its Applications <i>Mira Djamal, Edi Sanjaya, Yulkifli and Ramli</i>	421

The Role of Non-Biodegradable Antibiotic Loaded Beads in Orthopaedic Field – Science and Clinical Experience

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Abstract-

The use of local antibiotics from a non-biodegradable beads implant for chronic osteomyelitis is an attractive alternative. The beads implant delivers high tissue levels, obliterates dead space, aids bone repair. One of the challenging problems in orthopaedic field is chronic osteomyelitis that can result in morbidity affecting the viability of an affected limb. Biofilm formation and avascularized bone protect pathogens and lead to persistence of infection. Non-biodegradable antibiotic beads are custom made by orthopaedic surgeon to treat this disease. The purpose of this paper is to review some clinical experiences as serial case report with custom-made gentamycin sulfate antibiotic impregnated implants.

Keywords: chronic osteomyelitis, implant, antibiotic, gentamycin sulfate, non-biodegradable beads



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Atas perhatiannya kami ucapkan terima kasih.

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