

**LEMBAR
HASIL PENILAIAN SEJAWAT SEBIDANG ATAU PEER REVIEW
KARYA ILMIAH : PROSIDING**

Judul Karya Ilmiah : A Novel Energy Efficient Adsorption Drying with Zeolite For Food Quality Product: A Case Study in Paddy and Corn Drying

Jumlah Penulis : 4

Status Pengusul : Penulis ke-3

Identitas Prosiding : a. Judul Prosiding : 2013 International Symposium on Advanced Engineering

b. ISBN/ISSN :

c. Thn Terbit, Tempat Pelaks. : Semarang

d. Penerbit/Organiser :

e. Alamat Repository/Web : <https://eprints2.undip.ac.id/1521/>
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f. Terindeks di (jika ada) : Google scholar

Kategori Publikasi Makalah : : Google scholar
(beri ✓ pada kategori yang tepat)

Prosiding Forum Ilmiah Internasional
 Prosiding Forum Ilmiah Nasional

Hasil Penilaian *Peer Review* :

Komponen Yang Dinilai	Nilai Maksimal Prosiding		Nilai Akhir Yang Diperoleh
	Internasional <input checked="" type="checkbox"/>	Nasional <input type="checkbox"/>	
a. Kelengkapan unsur isi prosiding (10%)	1,5		1,2
b. Ruang lingkup dan kedalaman pembahasan (30%)	4,5		4,3
c. Kecukupan dan kemutakhiran data/informasi dan metodologi (30%)	4,5		4,3
d. Kelengkapan unsur dan kualitas terbitan /prosiding (30%)	4,5		4,0
Total = (100%)	15		13,8
Nilai Pengusul = 40% x 13,8 / 3 = 1,84			

Catatan Penilaian Paper oleh Reviewer :

1. Kesesuaian dan kelengkapan unsur isi prosiding:
Artikel terdiri dari: Title, Abstract, Introduction, Materials and Method, Results and Discussion, Conclusion, Acknowledgment, References dan ditulis sesuai dengan Guide for Author. Substansi artikel merupakan salah satu bidang fokus Teknik Pengeringan

2. Ruang lingkup dan kedalaman pembahasan:
Artikel membahas tentang perancangan dan aplikasi zeolit untuk proses pengeringan produk makanan. Hasil yang diperoleh, pengeringan dengan menggunakan zeolit membutuhkan energi yang lebih rendah dibandingkan pengeringan konvensional dan pengeringan dapat dilakukan pada temperatur yang rendah. Hasil yang dijabarkan telah dibahas dengan komparasi dengan artikel-artikel yang ada

3. Kecukupan dan kemutakhiran data/infrmasi dan metodologi:
Jumlah referensi dalam 10 tahun terakhir (mulai tahun 2011) sebanyak 15 dari 26 artikel (57.69%). Tingkat kebaruan sangat baik. Metode penelitian dituliskan cukup lengkap disertai dengan analisis yang sangat baik.

4. Kelengkapan unsur dan kualitas terbitan:
Seminar diselenggarakan oleh College of Engineering Pukyong University. Co-organizing terdiri dari Batangas State University (Filipina), Diponegoro University (Indonesia), Hochinmin City University of Technology (Vietnam), Kumamoto University (Japan), Kyoto University (Japan), Kyushu University (Japan), Saigon University (Vietnam), Soka University (japan), Ton Duc Tang University (Vietnam), Tattori University (Japan) dan Yakohama National University (Japan). Kualitas terbitan cukup baik dan konsisten serta dilengkapi dengan petunjuk penulisan yang jelas. Nilai similaritas artikel berdasarkan Turnitin sebesar 13%.

Semarang, 23 Maret 2020
Reviewer 1

Prof. Dr. Widayat, ST., MT.
NIP. 197209061998031001
Unit Kerja : Fakultas Teknik Universitas Diponegoro
Bidang Ilmu : Teknik Kimia

**LEMBAR
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 Alamat Artikel : <https://eprints2.undip.ac.id/1521/1/A%20Novel%20Energy%20Efficient%20Adsorption%20Drying%20with%20Zeolite%20For%20Food%20Quality%20Product%20A%20Case%20Study%20in%20Paddy%20and%20Corn%20Drying.pdf>

Kategori Publikasi Makalah (beri ✓ pada kategori yang tepat) : f. Terindeks di (jika ada) : Google scholar

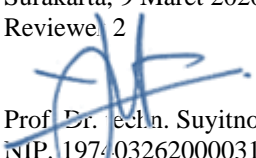
Hasil Penilaian Peer Review : Prosiding Forum Ilmiah Internasional
 Prosiding Forum Ilmiah Nasional

Komponen Yang Dinilai	Nilai Maksimal Prosiding		Nilai Akhir Yang Diperoleh
	Internasional <input checked="" type="checkbox"/>	Nasional <input type="checkbox"/>	
a. Kelengkapan unsur isi prosiding (10%)	1,5		1,50
b. Ruang lingkup dan kedalaman pembahasan (30%)	4,5		3,75
c. Kecukupan dan kemutakhiran data/informasi dan metodologi (30%)	4,5		4,13
d. Kelengkapan unsur dan kualitas terbitan /prosiding (30%)	4,5		4,13
Total = (100%)	15		13,51
Nilai Pengusul = 40% x 13,51 / 3 = 1,80			

Catatan Penilaian artikel oleh Reviewer :

- Kesesuaian dan kelengkapan unsur isi prosiding:**
Artikel ditulis sesuai dengan kaidah penulisan suatu artikel ilmiah pada prosiding.
- Ruang lingkup dan kedalaman pembahasan:**
Ruang lingkup cukup jelas. Pembahasan baik.
- Kecukupan dan kemutakhiran data/informasi dan metodologi:**
Data cukup. Metodologi cukup jelas.
- Kelengkapan unsur dan kualitas terbitan:**
Prosiding International Symposium on Advanced Engineering tahun 2013 termasuk prosiding internasional. Sehingga nilai AK maksimum 15. Ybs sebagai penulis ketiga dari 4 penulis sehingga nilai maksimum = $1/3 \times 40\% \times 15 = 2$.

Surakarta, 9 Maret 2020
 Reviewer 2


 Prof. Dr. Techn. Suyitno, S.T., M.T.
 NIP. 197403262000031001
 Unit Kerja : Fakultas Teknik Universitas Sebelas Maret
 Bidang Ilmu : Teknik Mesin

A Novel Energy Efficient Adsorption Drying with Zeolite For Food Quality Product: A Case Study in Paddy and Corn Drying

M Djaeni, N Aishah, BFT Kiono, AJB van Boxtel - 2013 - eprints.undip.ac.id

Nowadays, the importance of powdered food products as for example soups, sauces, dried yeasts, and herbal medicine is increasing for consumer convenience. Mostly, these products have been produced with drying process either, direct sunlight, conventional, or modern dryer. The direct sunlight dryer depends on the daily weather extremely both in the product drought and process continuity. Meanwhile, conventional dryer results high energy consumption as well as low product quality due to the introduction of hot air. In addition ...

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ISAE 2013

The 2013 International Symposium
on Advanced Engineering

November 11 ▶ 13, 2013



COLLEGE OF ENGINEERING
PUKYONG NATIONAL UNIVERSITY

Symposium Program

1. Invited Presentation

Chair : Yeh-Chan Ahn (Pukyong National Univ.)

09:30 ~ 10:00	Invited Presentation 1 Title : University and Industry Cooperation Model in Pukyong National University Speaker : Young-Joo Han (Pukyong National Univ., Korea)
10:00 ~ 10:30	Invited Presentation 2 Title : Strengthen Collaboration between Partner Universities – From R&D Results to Manufacturing Speaker : Nguyen Tan Tien, (Hochiminh City Univ. of Technology, Vietnam)

Organized by

- College of Engineering, Pukyong National University
- Industry–University Cooperation Foundation, Pukyong National University
- Innovation Center for Engineering Education, Pukyong National University
- Busan Convention & Visitors Bureau

Co-Organizing

- Batangas State University (Philippines)
- Dalian Jiaotong University (China)
- Diponegoro University (Indonesia)
- Hochiminh City University of Technology (Vietnam)
- Kumamoto University (Japan)
- Kyoto University (Japan)
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2. Oral Presentation

Session A-1 : Mechanical and Material Science Engineering

Chair : Rocel De Guzman Gualberto (Batangas State Univ., Philippines)

Jong Soo Kim (Pukyong National Univ., Korea)

10:45 ~ 11:00	Prototype Development a Micro Grating Disk by Nanomanufacturing Technique for Micro Gear Metrology Syuhei Kurokawa (Kyushu Univ., Japan)
11:00 ~ 11:15	Assessing the Integrated Computerized Maintenance Management System of O&M Company for a Combined Cycle Power Station Rocel De Guzman Gualberto (Batangas State Univ., Philippines)
11:15 ~ 11:30	A Study of Pulsating Heat Pipe type Exhaust Heat Recovery System for High Temperature and Humidity Environment Yeon U Gu, Jong Soo Kim (Pukyong National Univ., Korea)
11:30 ~ 11:45	Enhancement of Heat Transfer Performance in Circular Tube Flow with the Use of Nanofluids Shuichi Torii, Hajime Yoshino, Youngkook Kim (Kumamoto Univ., Japan)
11:45 ~ 12:00	Advanced Self-healing Ceramic for Turbine Blade of Jet Engine Wataru Nakao (Yokohama National Univ., Japan)

Session A-2 : Mechanical and Material Science Engineering

Chair : Chu Ba Long (Ton Duc Thang Univ., Vietnam)

Chang-Yong Lee (Pukyong National Univ., Korea)

13:30 ~ 13:45	Optimal Control of the Rotational Inverted Pendulum Vo Hoang Duy (Ton Duc Thang Univ., Vietnam), Chu Ba Long (Deptment of Science and Technology of Hochiminh City, Vietnam)
13:45 ~ 14:00	Optimized Parameter Configuration of High-Speed Bogie and Economic Velocity in HSR Operations Ming-wei Piao, Jia-yang Li (Dalian Jiaotong Univ., China)
14:00 ~ 14:15	Refined Modeling of Composite Beams with Span-Wise Heterogeneity Jae-Ho Cho, Chang-Yong Lee (Pukyong National Univ., Korea)
14:15 ~ 14:30	Universal Modeling of Composite Plates with In-Plane Heterogeneity Sang-Hoon Oh, Chang-Yong Lee (Pukyong National Univ., Korea)
14:30 ~ 14:45	Study on Design and Control of Cleaning Robot for NPK Fertilizer Plant Tran Le Vu, Pham Le Hoang Phu (Hochiminh City Univ. of Technology, Vietnam), Vo Van Toan (Angiang Vocational College, Vietnam), Nguyen DuyAnh, Nguyen Tan Tien (Hochiminh City Univ. of Technology, Vietnam)

Session A-3 : Mechanical and Material Science Engineering

Chair : A. Widodo(Diponegoro Univ., Indonesia)

Tae Wan Kim (Pukyong National Univ., Korea)

16:00 ~ 16:15	Utilization of Peanut Shells as Raw Material in the Production of Particleboard Paulina M. Macatangay (Batangas State Univ., Philippines)
16:15 ~ 16:30	Differential Inclusions for Control and Simulation of Mechanical Systems Ryo Kikuuwe (Kyushu Univ., Japan)
16:30 ~ 16:45	Novel Smart Actuator Mounted on Super Multi-link Manipulator for Retrieval of Space Debris Kenta Goto, Wataru Nakao (Yokohama National Univ., Japan)
16:45 ~ 17:00	A Study of the Weldability Evaluation and Tensile Strength Prediction Models in Plasma-GMA Hybrid welding Jin Soo Jung, Jong Jung Lee, Young Whan Park (Pukyong National Univ., Korea)
17:00 ~ 17:15	A Wireless Smart Sensor Model for Structure or Machine Monitoring A. Widodo, L. Rozaqi, D. Satrijo, I. Haryanto, T. K. B. Fajar (Diponegoro Univ., Indonesia)

Session B-1 : Advanced Electrical, Electronic, Computer and Communication Technology and Civil Engineering and Architecture

Chair : Kenji Goya (Soka Univ., Japan)

Chang-Hyun Park (Pukyong National Univ., Korea)

10:45 ~ 11:00	Micro Grooved-Channel Fabricated by Femto Second Pulse for Bending Direction Sensitive Sensors Kenji Goya, Kazuhiro Watanabe (Soka Univ., Japan)
11:00 ~ 11:15	Measurement of Soil Moisture Condition Using a Hetero-Core Structured Fiber Optic SPR Sensor Masashiro Shiraishi, Ai Hosoki, Kazuhiro Watanabe (Soka Univ., Japan)
11:15 ~ 11:30	Control System Design of Four Wheel Independent Steering Automatic Guided Vehicles Based on Backstepping Control Method Yuhanes Dedy Setiawan, Pandu Sandi Pratama, Woo Young Jeong, Hak-Kyeong Kim, Sang-Bong Kim (Pukyong National Univ., Korea)
11:30 ~ 11:45	Attitude Control for Stabilizing a Quadrotor Based on Backstepping Method and Extended Kalman Filter Using MEMS Sensor Van Tu Duong, Hak-Kyeong Kim, Sang-Bong Kim (Pukyong National Univ., Korea)
11:45 ~ 12:00	A Numerical Model for Predicting 3D Beach Evolution after Sand Nourishments Masamitsu Kuroiwa, Yuhei Matsubara (Tottori Univ., Japan)

Session B-2 : Advanced Electrical, Electronic, Computer and Communication Technology

Chair : Oanh K. Nguyen (Saigon Technology Univ., Vietnam)

Sung Yeol Kwon (Pukyong National Univ., Korea)

13:30 ~ 13:45	A New Public Key Encryption with Keyword Search Scheme Thuc D. Nguyen, (HCMC Univ. of Science and Saigon Technology Univ., Vietnam) Van H. Dang, (HCMC Univ. of Science, Vietnam) Oanh K. Nguyen (Saigon Technology Univ., Vietnam)
13:45 ~ 14:00	A Digital Forensic Model with Criminal Profiling System Youngjun Son, Mokdong Chung (Pukyong National Univ., Korea)
14:00 ~ 14:15	Extension of Proxy Functionality using eCAP Interface Sugarbayar Otgonchimeg, Ha-Joo Song (Pukyong National Univ., Korea)
14:15 ~ 14:30	Optical Fiber SPR Sensor with Holes Array Fabricated by Femtosecond Laser Drilling Masayuki Hamasaki, Kenji Goya, Kazuhiro Watanabe (Soka Univ., Japan)
14:30 ~ 14:45	Numerical Analysis for Optical Fiber Sensor having an Internal Structure Sensors Takaaki Fujii, Kenji Goya, Kazuhiro Watanabe (Soka Univ., Japan)

Session B-3 : Advanced Electrical, Electronic, Computer and Communication Technology

Chair : Jia-yang Li (Dalian Jiaotong Univ., China)

Yong Wook Lee (Pukyong National Univ., Korea)

16:00 ~ 16:15	A DLL with Delay-Time Variance Voltage Converter Young-Shig Choi, Jong-Yoon Park (Pukyong National Univ., Korea)
16:15 ~ 16:30	Implementation of Degenerate Unmixing Estimation Technique for Blind Source Separation of Audio Signals Albertson D. Amante, Tirso A. Ronquillo (Batangas State Univ., Philippines)
16:30 ~ 16:45	Use Genetic Programming to Design Logical Circuits with the Minimum Number of Gates Tang Van To (Saigon Technology Univ., Vietnam)
16:45 ~ 17:00	Sliding Mode Control of A Two Wheels Inverted Pendulum Vehicle Giang Hoang, Hak-Kyeong Kim, Sang-Bong Kim (Pukyong National Univ., Korea)

Session C-1 : Chemical and Environmental Engineering and Engineering Education

Chair : Mohamad Djaeni (Diponegoro Univ., Indonesia)

Yong-Sun Won (Pukyong National Univ., Korea)

10:45 ~ 11:00	Porter-Based Value Creation Model for the Enhancement of the Competitiveness of the Batangas State Univ. College of Engineering Tirso A. Ronquillo, Divina Gracia D. Ronquillo (Batangas State Univ., Philippines)
11:00 ~ 11:15	Study on Load Capability of Cylindrical Roller Bearings Made of Functionally Gradient Materials XiuJuan Zhang, YanGang Wei (Dalian Jiaotong Univ., China)
11:15 ~ 11:30	A Novel Energy Efficient Adsorption Drying with Zeolite For Food Quality Product: A Case Study in Paddy and Corn Drying Mohamad Djaeni, Berkah Fadjae Tamtomo Kiono (Diponegoro Univ., Indonesia)
11:30 ~ 11:45	Disinfection of Swimming Pool Water over N-doped TiO ₂ -SiO ₂ Catalyst under Natural Sunlight Nhung Thi-Tuyet Hoang, Phi-Phung Pham (Univ. of Technical Education Hochiminh City, Vietnam) Tien-Khoi Tran, The-Vinh Nguyen (Hochiminh City Univ. of Technology, Vietnam)
11:45 ~ 12:00	Future Selection in High Dimensional Data Using LRAS/LASSO Algorithm, with Application to a Soil Carbonate Determination Problem Farnaz Pirasteh, Jay Liu (Pukyong National Univ., Korea)

Session C-2 : Mechanical and Material Science Engineering

Chair : Kimura Akihiko (Kyoto Univ., Japan)

Young Whan Park (Pukyong National Univ., Korea)

13:30 ~ 13:45	Control of the Pendubot Using Sliding Mode Control Techniques Nguyen Hoang Sang (Univ. of Technical Education Ho Chi Minh City, Vietnam), Nguyen Hong Phuc (Secondary Market Economic – Technical Nguyen HuuCanh, Vietnam), Nguyen Thanh Phuong (Hochiminh City Univ. of Technology, Vietnam)
13:45 ~ 14:00	Optimize Process Parameters of Resistance Spot Welding for 780MPa Steel using Simulation Chang-Seok Son, Young Whan Park (Pukyong National Univ., Korea)
14:00 ~ 14:15	Stress Corrosion Cracking Susceptibility of Candidate Structural Materials in Supercritical Pressurized Water Hwanil Je, Kimura Akihiko (Kyoto Univ., Japan)
14:15 ~ 14:30	Study on Detecting Cracks of Eggshells using Acoustic LuuThanh Tung(Hochiminh City Univ. of Technology, Vietnam), Chu Ba Long (Department of Science and Technology of Hochiminh City, Vietnam), Le Hong Phuong (Hochiminh City Univ. of Technology, Vietnam)

3. Poster Presentation

Chair : Ha-Joo Song, Young Whan Park (Pukyong National Univ., Korea)

Mechanical and Material Science Engineering

Poster Number	Presentation Title and Authors
P-M1	Decoupling Control for a Variable Speed Refrigeration System with Fuzzy Logic Hua Li, Jiyou Fei (Dalian Jiaotong Univ., China)
P-M2	Optimization Design and reliability Analysis of New Reducer for Variable Pitch System Used in High Power Wind Turbine Weidong He, Yinghui Zhang, Yi Tian, Qi Lu (Dalian Jiaotong Univ., China)
P-M3	Research on Failure Information Collection for High-speed Train Operation BiHong Lu (Dalian Jiaotong Univ., China)
P-M4	Observer-Based Control of Wall-Following Mobile Robot DinhThanhVinh, Phan Tan Tung, Tran ThienPhuc, Nguyen Tan Tien (Hochiminh City Univ. of Technology, Vietnam)
P-M5	Design of Controller for Active Suspension Systemwith Full-Car Model Trong Hieu Bui, DuyAnh Tong, Tan Tien Nguyen (Hochiminh City Univ. of Technology, Vietnam)
P-M6	Strength Characteristics of Lightweight material in Friction Stir Welding DaeMin Kang, KyougDo Park, DaiYeal Lee (Pukyong National Univ., Korea)
P-M7	Modeling and Control Hexapod Robot Tran Quang Tuyen, Hak-Kyeong Kim, Sang-Bong Kim (Pukyong National Univ., Korea)
P-M8	Designing a Control System for Mooring Winch System Sangwon Ji, Youngbok Kim, Kazuhiro Watanabe, Youngwon Choi (Pukyong National Univ., Korea)
P-M9	Wettability Evaluation for Biomimetic Surface of Shark Skin Replica Tae Wan Kim, Nam Ju Na (Pukyong National Univ., Korea)
P-M10	Shoulder Height of Angular Contact Ball Bearing for Automotive Wheel on Elasto-hydrodynamic Lubrication Tae Wan Kim (Pukyong National Univ., Korea)
P-M11	Crack Detection Using Natural Mode Ji-Yun Jo(Pukyong National Univ., Korea), Do-Hun Jin (Zibtech, Ltd, Korea), Jong-Do Kim (Kyungnam Univ. of Science and Technology, Korea), Moon-Chul Yoon (Pukyong National Univ., Korea)
P-M12	Fractal Analysis of Acceleration Signal Considering Damping Ji-Yun Jo(Pukyong National Univ., Korea), Do-Hun Jin (Zibtech, Ltd, Korea), Jong-Do Kim (Kyungnam Univ. of Science and Technology, Korea), Moon-Chul Yoon (Pukyong National Univ., Korea)
P-M13	The Effects of Parameter Changes on the Impedance Characteristics of an Air Spring Jiseong Jang, Deokhong Moon, Sangwon Han (Pukyong National Univ., Korea)
P-M14	Fabrication of Graphene by Chemical Exfoliation in Different Synthesis Conditions JeongSu Lee, JaeHo Jeon, BuAhn Kim, ChangKwon Moon (Pukyong National Univ., Korea)

Chemical and Environmental Engineering

Poster Number	Presentation Title and Authors
P-C1	Self-Assemblies of Metal Nanoparticles and Quantum Dots by Diblock Copolymer Micelles Hyun Woo Kim, Sung Ho Jo, Seong Il Yoo (Pukyong National Univ., Korea)
P-C2	Performance Evaluation of Modified Reverse Osmosis Membranes for the Desalination of Brackish Water Jae-Hoon Jung, Guk Jeong, Yong-Sun Won, Su-Han Kim, Jun-Heok Lim (Pukyong National Univ., Korea)
P-C3	Carbon Dioxide Gas Hydrate Formation in Seawater Guk Jeong, Jae-Hoon Jung, Jea-Keun Lee, Tae-Yoon Lee, Yong-Sun Won, Jun-Heok Lim (Pukyong National Univ., Korea)

P-C4	Synthesis of Random Copolymer Based on Fluorine Substituted Quinoxaline for Polymer solar cells Wonjun Kim, Youngeup Jin (Pukyong National Univ., Korea)
P-C5	Transesterification of Canola Oil with Methanol on Heteropolyacid Catalysts Seong Soo Hong (Pukyong National Univ., Korea)
P-C6	Photocatalytic Decomposition of Rhodamin B on Modified PbMoO ₄ Prepared by Microwave Process Young In Song (Pukyong National Univ., Korea)
P-C7	Morphological Study of Solution-grown Poly(l-lactide) Crystals Ei-Sup Jang, Yeong-Woo Kim, Sang-Bo Park, Won-Ki Lee (Pukyong National Univ., Korea)
P-C8	Surface Analysis of PVDF/Biodegradable Polyester Blend Films Hak-Yong Lee, Yong-Kwang Cho, Ei-Sup Jang, Chan-Young Park, Won-Ki Lee (Pukyong National Univ., Korea)
P-C9	Synthesis and Property of Waterborne Polyurethane-POSS for Marine Coatings Yeong-Woo Kim, Hak-Yong Lee, Ei-Sup Jang, M. M. Rahman, Won-Ki Lee (Pukyong National Univ., Korea)

Advanced Electrical, Electronic, Computer and Communication Technology

Poster Number	Presentation Title and Authors
P-E1	Chaos Synthesis of Asynchronous Motor By Time-Delayed State Feedback WeiDong Li (Dalian Jiaotong Univ., China)
P-E 2	A Study on Edge Detection Algorithm using Weight Vector and Modified Mask Chang-Young Lee, Nam-Ho Kim (Pukyong National Univ., Korea)
P-E 3	Image Denoising with Parallel Model Algorithm in AWGN Environment Xu Long, Nam-Ho Kim (Pukyong National Univ., Korea)
P-E 4	A New Lossless Motion Estimation Algorithm for Video Coding Jong Nam Kim (Pukyong National Univ., Korea)
P-E 5	A Quasi-lossless Motion Estimation Algorithm Using Sequential Conditions Jong Nam Kim (Pukyong National Univ., Korea)
P-E 6	Human Detection Using Contour-Based Fusion of Thermal Infrared Imagery Nasim Arshad, Kwang-Seook Moon, Jong-Nam Kim (Pukyong National Univ., Korea)
P-E 7	A Robust Face Detection Approach Based on Gabor Filter Banks and Artificial Neural Networks Nasim Arshad, Kwang-Seook Moon, Jong-Nam Kim (Pukyong National Univ., Korea)
P-E 8	Lost Detail Information Estimation Method for Image Enhancement Won Hee Kim, Jong Nam Kim (Pukyong National Univ., Korea)
P-E 9	Image Enhancement Using Iterative Mixed Interpolation Won Hee Kim, Jong Nam Kim (Pukyong National Univ., Korea)
P-E 10	Performance of coherent and noncoherent BFSK by water surface fluctuation Sanghyun Park, Kyu-Chil Park, Jong Rak Yoon (Pukyong National Univ., Korea)
P-E 11	Development of the Electromagnetic Transients Model for Power System Analysis Kyebyung Lee, Young-Won Song, Chang-hyun Park (Pukyong National Univ., Korea)
P-E 12	Compact Temperature-Insensitive Fiber Strain Sensor Using Polarization-Maintaining Photonic Crystal Fiber Tae Kyu Noh, Yong Wook Lee (Pukyong National Univ., Korea)
P-E 13	Lyot-Type Flat-Top Fiber Multiwavelength Filter Song Hyun Jo, Yong Wook Lee (Pukyong National Univ., Korea)
P-E 14	A Low Fractional Jitter PLL with Phase Difference-to-Voltage Converter Young-Shig Choi, Jong-Yoon Park (Pukyong National Univ., Korea)
P-E 15	Embedding Message into Non-Coding DNA Strand K. N. Santoso, K.R. Kwon (Pukyong National Univ., Korea), S.H. Lee (Tongmyong Univ., Korea)