

# 2013 IEEE International Conference on Electronics Technology and Industrial Development

## Parallel Session Distribution

Note:

PX-Y-Z: X is parallel room, Y is session in corresponding room, Z is presentation order in a session. Z should be replaced with order number.

### P1-1-Z

1. Hai Tran and Tomohisa Wada: A Comparison of New and Previous Methods of ICI Canceller for Mobile OFDM Receivers
2. Tung Thanh Le, Gil-Won Lee and Dong-Seong Kim: SEAZOR: A Robust Privacy-Preserving Secure Anonymous Zone Routing in Military Wireless Ad Hoc Networks
3. Yuya Kaneko, Takeshi Higashino and Minoru Okada: New Configuration of Radio-on-Fiber Link using Optical Ethernet Light Source and Its BER Analysis
4. Tatsuya Kidani, Takeshi Higashino and Minoru Okada: Transportation of MIMO Radio Signals over RoF-Distributed Antenna System and Its Performance Analysis in the Presence of Incomplete Synchronization in Optical TDM
5. Wahyul Syafei: Optimum Interference Canceller for 2x2 High Throughput WLAN IEEE 802.11n
6. Geng Wan, Ziji Ma, Minoru Okada and Takeshi Higashino: Performance Analysis of OSTBC in Dual-Polarized MIMO-OFDM Systems

### P1-2-Z

1. Shin'Ichi Koike: Analysis of Recursive Least Moduli Correlation Phase Algorithm
2. Septebrina Situmorang, Astrini Kusumawardhani and Trio Adiono: Enabling Simplified LTE ENodeB Development Using LTE MATLAB Toolbox
3. Thomhert Suprpto Siadari, Ifa Fatihah and Soo Young Shin: BER Performance Improvement of IEEE 802.15.4 using Hadamard Transform
4. Isnan Arif Wicaksono and Soo Young Shin: Performance Evaluation of MIMO Spatial Multiplexing scheme on IEEE 802.15.4
5. Soo Young Shin: Performance Evaluation of IEEE 802.15.4 Under Imperfect Channel Sensing

### P1-3-Z

1. Shuhei Oki, Takeshi Higashino and Minoru Okada: Proposal of LCX-assisted Wireless Positioning using Modified Subspace Method
2. Erick Adinugraha, Trio Adiono and Yanuar T. Aditya Nugraha: Optimization and Rapid Development of LTE Implementation on TMS320C6670 DSP using Turbo Encode Coprocessor (TCP3e)
3. A. Irawan, K. Anwar, and T. Matsumoto: Network Coding-Based Turbo HARQ for Unicast Transmission
4. Henry M. Manik: Sonar Signal Processing for Marine Observation
5. Basuki Alam, Mervin Hutabarat and Ihsan Hariadi: The Effect of Via Dimension and PCB Manufacturing Quality to Gain Performance of LD Mosfet LTE Front End Driver Amplifier

#### P1-4-Z

1. Tri Murwanto, Wahyul Syafei and Rizal Isnanto: Web-based Model Pharmacy Information System
2. Muhammad Anis and Achmad Imam Kistijantoro: Improving Javascript Performance Using Compiled Javascript with LLVM Framework
3. Yulius Royke Mantiri, Wahyul Syafei and Yuli Christyono: Web-Based Model Online Examination Using LCM and MCQ Method As a Decision Support System
4. Herlinah Baharuddin, Wahyul Amien Syafei and Kodrat Imam Satot: Modeling Information System for Measuring Higher Education Performance Quality using Balanced Scorecard Approach and Blue ocean Strategy
5. Emir Husni and Jimmy Yusandra: An Inter Mobile Payment Provider Transfer System
6. Samuel Andi Kristyan and Suhardi Dr.: Targeted Advertising Optimization using Vector Space Model for Online Behavior on News Portal Computational Advertising. Case Study : harianjogja.com

#### P2-1-Z

1. Syamsul Rizal, Dwi Agung Nugroho and Dong-Seong Kim: Bezier Curve Data Reconstruction over Compressive Sampling in Data Communication
2. Armein Z R Langi: An Application of SignalSheets, a Signal Processing Modeling Platform, for a Butterworth LPF Design
3. I Made Kusuma Wardana, Bambang Hidayat and Koredianto Usman: Optimization Of Hidden Markov Model Using Genetic Algorithm In Voice Conversion
4. Armein Z R Langi: Value Signal Model (VSM) Systems and Their Time-Series Properties
5. Irfan Syamsuddin, Rini Nur and Muh Fajri Raharjo: Intelligent Video Streaming Schemes : A Survey
6. Yanuar T. Aditya Nugraha, Trio Adiono and Erick Adinugraha: Enabling Multithreaded Streaming Environment for LTE SDR Proof of Concept using Gigabit Ethernet with POSIX Thread

#### P2-2-Z

1. Bhagya Parekh, Naineel Shah and Tushar Sawant: Computer Independent USB to USB Data Transfer Bridge
2. Nur Sultan Salahuddin, Nano Husein, Johan Harlan and Achmad Benny Mutiara: Wireless Detector to Detect Heartbeat of Premature Babies
3. Muhammad Ikhsan Sani, Irman Idris, Frengky Wijaya and Ardy Pratama: The Mobile Soil Sensor Data Acquisition Interface System for Agriculture Productivity Improvement
4. Firdaus Kurniawan, Hira Meidia and Suhandry Salim: Hybrid Sensor Network for an Electrical Room Monitoring System
5. Irman Idris, Muhammad Ikhsan Sani, Amirinnisa Dyah Atrisandi and Firman Baihaki: The Development of Wireless Motion Sensor System for Human Body Gait Analysis

#### P2-3-Z

1. Nazanin Afrasiabi and Mohammad Reza Hairi Yazdi: Proportional Chattering Free Sliding Mode Control of DC Motor
2. Mervin Tanguar Hutabarat: Low distortion  $\pi$ -Attenuator using Series Connected Cold FETs and Bypass Capacitors

3. Dera Hafiyyan Supriyo Suromo and Elvayandri Muchtar: Design of Serial Communication between Personal Computer and LPC 1769 for Controlling Gel Electrophoresis
4. Mohd Izhar A. Bakar: An Investigation on Zero Passing Transformer and LC Filter to Minimize For Zero-Sequence Current Harmonics in Neutral Conductor
5. Dhamma Nibbana Putra, Pujo Laksono, Irman Idris and Muhammad Ikhsan Sani: Algorithm for Pattern Recognition of Motion Sensor and Data Processing Software for Gait Analysis
6. Anselmus Randy Marsha and Elvayandri Muchtar: Design of Analog-to-Digital Converters for CCD-Based DNA Fluorescence Detection

#### P2-4-Z

1. Lasguido Nio, Sakriani Sakti, Graham Neubig, Tomoki Toda and Satoshi Nakamura: Combination of Example-based and SMT-based Approaches in a Chat-oriented Dialog System
2. Phaisarn Sutheebanjard and Panana Tangwannawit: The Template Matching Method for The OCR system of Thai Car License Plate
3. Rizky Maulana Nugraha, Ayu Purwarianti and Achmad Imam Kistijantoro: Application Programming Interface for Artificial Neural Network using CUDA
4. Rika Yuliana and Budi Rahardjo: Designing an Enterprise architecture for Mining Company by Using Togaf Framework
5. Adang Suwandi Ahmad, Arwin Datumaya Wahyudi Sumari and Widyawardana Adiprawita: Knowledge-Growing: Latest Updates on Cognitive Artificial Intelligence Researches at the School of Electrical Engineering and Informatics ITB
6. Seng Hansun: Jakarta Stock Exchange Forecasting using Backpropagation Neural Networks

#### P3-1-Z

1. Akinlolu Akande and Jean-Paul Van Belle: ICT Adoption in South Africa - Opportunities, Challenges and Implications for national development
2. Asep Bagja Nugraha: Accelerating the Development of Electronic Industry in Indonesia
3. Muhammad Amin Sulthoni, Irman Idris, Pujo Laksono, Daiki Ishiura, Shunnichi Amemiya and Masaki Umejima: Key Parameters for Developing Agricultural Electronics Service in Indonesia
4. Remon Simatupang and Didi Istardi: Auto Taping Machine Improvement by PLC Control and Electro-Pneumatic System in Small Production Scale
5. Hendawan Soebhakti and Farkhad Hariadi: Automatic Optical Inspection to Detect Missing Components in Surface Mount Assemblies
6. L.M. Rasdi Rere and Mohamad Ivan Fanany: Harmony Search Algorithm for Optimal Antireflection Coating Design

#### P3-2-Z

1. Boon Chong Ang: Custom Logic ATPG Modeling
2. Trio Adiono and Andyes Sudirja: Design and Implementation 1k/2k/4k/8k/16k/32k FFT-IFFT Core For DVB-T 2
3. Sreekanth K D and Sakthivel R: High Throughput VLSI architecture for Advanced Encryption Standard

4. Nana Sutisna, Arif Sasongko and Trio Adiono: Secure Smartcard Chipset Design
5. Andyes Sudirja and Trio Adiono: New Method Diversity Combining using 6 Ways with Small and Fast Architecture

#### P3-3-Z

1. Tetsuo Kodera (Invited Speaker)
2. Vibhor Kumar, A. S. Maan, Sanjeev Kumar, S. Das and J. Akhtar: Electrical Performance of Nichrome/Silicon Schottky Diode
3. Asep Rohiman, Muhammad Amin Sulthoni and Irman Idris: Study of Fiber Optic Etching Using Inorganic Acid Solutions by Batch Method for Electronics Chemical Sensor Application
4. Tris Dewi Indraswati, Adang Suwandi Ahmad, Irman Idris and Adrian Venema: The Fabrication of A MEMS-based Vibratory Translational Z-Axis Gyroscope Using Standard SOI Wafer
5. Surajit Das and Jamil Akhtar: MEMS  $\mu$ -hotplate of SiO<sub>2</sub>/Si<sub>3</sub>N<sub>4</sub> composite membrane with nichrome heater for gas sensor applications
6. Suksmandira Harimurti, Asep Rohiman, Muhammad Amin Sulthoni and Irman Idris: The Effect of Trisodium Citrate Concentration on the Size of Gold Nanoparticles as Catalyst in Growing Silicon Nanowire

#### P3-4-Z

1. Maman Abdurohman, Arif Sasongko and Ricky Rawung: Software for automated SoC design based on Hardware/Software CoDesign Concept
2. Yulisdin Mukhlis, Hamzah Affandi and Eri Prasetyo: Design ADC Single Slope Embedded For ECG Application With CMOS 0,35 $\mu$  Technology
3. Muhamad Nursalman, Arif Sasongko, Yusuf Kurniawan and Sarwono Sutikno: Architecture Design and Implementation of KOA Multiplier for Small Bits in Galois Field
4. Trio Adiono and Rian Ferdian: FPGA Implementation for Wimax's Heterogeneous Frequency Multiprocessor System on Chip
5. Ricky Hariady and Arif Sasongko: PintarOS: A Reconfigurable Multi-Purpose Multi-Application Smart Card Operating System