

PROCEEDINGS

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Symposium Scope

Established in 2004, IJSS is the premier event in the collaboration between University of Indonesia and Chiba University. The 1st IJSS was held in 2004 at Chiba University, Japan. Now, University of Indonesia is the host for the 2nd IJSS that will be held on 6-8 September 2006. This symposium will provide a venue to share and discuss various issues and developments in the multi-field of scientific and technology. The main purposes of this symposium are to provide a meeting that will enforce progress, stimulate growth and advance the state of knowledge between students and researcher from universities in Japan and Indonesia. Also, this event provides a forum for discussion of new ideas, research, development and applications, including techniques and methods to stimulate and inspired pioneering works.

The scope of IJSS 2006 encompasses as follows:

- Laser and Optical Communication
- Image and Signal Processing
- Soft Computing
- Mobile Communication (Terrestrial and Satellite)
- Antenna and Microwave
- Mechatronics and Control
- Bioelectronics
- Microelectronics and Electronic Device
- Energy and Power System
- Computer and Information Technology
- Environmental Chemistry (Catalysis, Green Chemistry etc)
- Medical Engineering
- Remote Sensing (Global Landcover, Hydrology, Oceanography, Microwave, Lidar, etc.)
- Materials (Nanomaterials, Nanotechnology, etc.)
- Horticulture and Fisheries
- Environment Science
- Urban Environment
- Civil Engineering
- Architecture
- Industrial Design

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Speech by Minister of Research and Technology, Indonesia

Speech by Prof. Hiroshi Amano, Vice President Chiba University, Japan

Speech by Prof. Dr. Bagio Budiardjo, University of Indonesia

TECHNICAL PROGRAM

13.00 - 14.45 : Image and Signal Processing , location Room 1 (Auditorium)

Moderator: Prof. Dadang Gunawan (University of Indonesia, Indonesia)

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IJSS06-202 Marzuki, Multiple peaks character of raindrop size distribution from two dimensional video disdrometer, Andalas University, Indonesia

IJSS06-203 Hamid, EY., "Performance of wavelet as pulse shaping filter in Gaussian channel", ITB, Indonesia

IJSS06-204 Rio Harlan, et al., "Analysis of Real Time Audio Effect Design Using TMS320 C6713 DSK", Electrical Engineering Department, University of Indonesia, Indonesia

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- IJJSS06-212 Ferdinando, H., et al., "Frequency multiplier for low frequency pulse width modulation signal, a practical approach", Petra University, Surabaya, Indonesia
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- IJJSS06-215 Hiroo Sekiya, et al., "Channel estimation for WLAN with any delay spread in MIMO OFDM Based Systems", Chiba University, Japan
- IJJSS06-216 Witjaksono, G., et al., "Performance comparison of wireless LAN standard 802.11b and 802.11g in the AWGN channel with the effect of phase noise and frequency offset", Electrical Engineering Department, University of Indonesia, Indonesia
- IJJSS06-217 Kalamulah R., et al., "Scalability analysis on QoS of Video Conference sessions in adhoc learning environment", Electrical Engineering Department, University of Indonesia, Indonesia

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- IJJSS06-219 Ary Syharian, "Silica on silicon optical switching devices", University Al Azhar, Indonesia
- IJJSS06-220 Gunawan Witjaksono, et al., "Simulation of InGaAs/GaAs/AlGaAs multiple quantum well laser diode for time of flight based distance measurement application in automotive system", Electrical Engineering Department, University of Indonesia, Indonesia
- IJJSS06-221 Widiyatmoko, B., et al., "Low driving voltage and high finesse waveguide type optical frequency comb generator for optical frequency measurement", LIPI, Indonesia

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- IJJSS06-234 Muis, A., et al., "Bilateral Control with Transformer and Gyrator Analogy", Electrical Engineering Department, University of Indonesia, Indonesia
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- IJJSS06-236 Ferdinando, F., et al., "The implementation of PID controller in the pick and place robot", Petra University, Surabaya, Indonesia

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- IJJSS06-238 Iwa Garniwa, et al., "Heat transfer analysis for coil inside the transformer oil", Electrical Engineering Department, University of Indonesia, Indonesia
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- IJJSS06-257 Jamal, A., et al., "Evaluation of one to all broadcast ring based algorithm on torus PC Cluster", Al Azhar University, Indonesia
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IJSS06-262 Arman D. Diponegoro, et al., "The analysis phase detection interference of fish school acoustic reflection wave", Electrical Engineering Department, University of Indonesia, Indonesia

IJSS06-263 Arman D. Diponegoro, et al., "The Comparison of Vector Quantization Algorithms in Fish Species Acoustic Voice Recognition Using Hidden Markov Model", Electrical Engineering Department, University of Indonesia, Indonesia

13.00 - 14.45 : Energy and Power System, location Room 3 (Ruang Kelas AC)

Moderator: Dr. Iwa Garniwa (University of Indonesia, Indonesia)

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IJSS06-266 Syafrudin, et al., "Design of a single phase rectifier with improved power factor and low THD using boost converter technique", University Tanjungpura, Indonesia

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- IJJSS06-281 A. Harjoko, et al., "Image retrieval using euclidean and quadratic form in RGB, HIS, CIELUV, CIELAB color spaces", Gadjah Mada University, Indonesia
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