



7th International Conference on Emerging Trends in Engineering & Technology 2015

Kobe, Japan

Detailed Technical Program Schedule

November 18, 2015 (Wednesday)

REGISTRATION

Venue: *Kobe International Conference Center–Lounge* **Time:** 12:45-13:00

OPENING CEREMONY

Preeti Bajaj, G.H.Raisoni College of Engineering
Koji Murai, Kobe University

Venue: *Kobe International Conference Center -Room -501* **Time:** 13:00-13:15

Keynote Speech-1

Dr. U. B. Desai, Director, IIT, Hyderabad

Chair: Preeti Bajaj

Mieko Ohsuga, Professor, Osaka Institute of Technology

Title: "Past, Present, and Future of Driver Monitoring"

Chair: Koji Murai, Kobe University

Venue: *Venue: Kobe International Conference Center -Room -501* **Time:** 13:15-14:00

Keynote Speech-2

Tomasz M. Rutkowski, University of Tsukuba

Title: Recent Advances in Neurotechnology Applications Using Brainwaves for Thought-based Communication"

Chair: Syoji Kobashi

Venue: *Kobe International Conference Center -Room -501* **Time:** 14:00-14:45

Coffe Break

Venue: *Venue: Kobe International Conference Center–Lounge* **Time:** 14:45-15:00

Technical Sessions

S1: SPECIAL SESSION ON HUMAN CENTERED TRANSPORTATION SYSTEMS

Chairs: Tadatsugi Okazaki, Preeti Bajaj

Time: 15:00-16:45

Venue: *Kobe International Conference Center -Room -501*

- PID:19 Development of Control System for Inverted Wheeled Robot on a Ship Predicting Ship's Rolling Motion
Kazuya Sasaki, Tadatsugi Okazaki
- PID:20 Education and Training on Causal Factors of Marine Collisions
Yoshiaki Kunieda, Kiminobu Kumada, Koji Murai and Hideyuki Kashima
- PID:32 The Human error reduction effect of Point and Call Checks on maritime education and training
Kenji Yoshimura, Kenjiro Hikida, Noriyuki Matsuzaki, Satoshi Yamamoto, Yasuhiko Sakane Shin Murata, Makoto Ogawa and Masashi Kusunoki
- PID:33 Development of Anchoring Support System Using with AR toolkit
Rei Takaseki, Ranboh Nagashima, Hideyuki Kashima and Tadatsugi Okazaki
- PID:62 The Design and application of AIS Data Communication and Transfer Device
Jie Wang, Jiantao Nie and Yibing Wang
- PID:63 Feasibility Study of Measuring Heartbeat and Respiration by using Strain Gauge
Masakazu Arima, Hiroto Araki and Yuki Iwamoto
- PID:46 Driver's Behaviour Monitoring on Urban Roads of a Tier 2 City in India
Apoorva Mishra., Preeti Bajaj

S2: COMPUTATIONAL INTELLIGENCE

Chairs: Dinesh Padole, Mu-Chen-Chen

Time:16:45-18:00

Venue: *Kobe International Conference Center -Room -501*

- PID:12 Feed Forward Neural Network optimization by Particle Swarm Intelligence
Pratik Hajare, Dr. Narendra Bawane
- PID:18 Design and Implementation of Wearable Device For Neuropathic Diabetic Foot Patients
Monali Madavi, Shubhangi Giripunje
- PID:25 Enhancing Cloud Security Using Multicloud Architecture and Device Based Identity
Rutuja Warhade, Basha Vankudothu
- PID:29 A Review Of On-Chip Spectral Analysis for Built-In Testing using FFT Engine
Manjiri Karandikar, Snehprabha Lad
- PID:31 Head Gesture Recognition System Using Adaboost Algorithm With Obstacle Detection
Rushikesh Bankar, Suresh Salankar
- PID:35 Design of Basic logic gates using Carbon Nano Tube Field Effect Transistor and Calculation of Figure of Merit
Pramod Yeole, Dinesh Padole
- PID:41 Area Efficient FFT/IFFT Processor Design for MIMO OFDM System in Wireless Communication
Laxman Thakare, Amol Deshmukh
- PID:42 Prevention of Simple Power Analysis Attacks in Elliptical Curve Cryptography on WSN Platform
Pritam Shah, Tabassum Ara, Vinay Hegde, Xu Huang and Javeria Ambareen
- PID:47 A Particle Swarm Optimization Approach for Route Planning with Cross-Docking
Mu-Chen Chen, Yu-Hsiang Hsiao, Himadeep Reddy and Manoj Kumar Tiwari
- PID:55 Key Factors of In-App Purchase for Game Applications
Long-Sheng Chen, Meng-Ru Lin

November 19, 2015 (Thursday)

Technical Sessions

S3: Late Breaking Paper Session

Chair: Takayuki Fujita, Prema Daigavane

Venue: *Kobe International Conference Center -Room -501* **Time:**9:30-10:45

- LBP1 Proficiency Characteristic of Maritime Student's Radar Plotting
K. Murai, K. Kitamura, and A. Ikawa
- LBP2 Displacement and Tilt Estimation of Contact Surface on Magnetic
Tactile Sensor using Genetic Programming
Hiroyuki Nakamoto, Shiho Sasai, Futoshi Kobayashi and Fumio Kojima
- LBP3 Application of stretchable sensor for human's motion monitor
Ichiro Hirata, Hiroyuki Nakamoto, Hideo Ootaka and Mitsunori Tada
- LBP4 Extraction of frequent sub-sequences from time-series symbols— Changing the
number of sub-sequences to be extracted —
Kenta Morita, Haruhiko Takase, and Naoki Morita
- LBP5 Pseudo Lateral Radiograph Synthesis Method for Computer-aided Surgical Planning of
Anterior Cruciate Ligament Reconstruction
*Kento Morita, Md Belayat Hossain, Syoji Kobashi, Kaori Kashiwa, Hiroshi
Nakayama, Shunichiro Kambara, Masakazu Morimoto, Shinichi Yoshiya, Satoru
Aikawa*

S4: INDUSTRIAL APPLICATIONS

Chairs: V.M.Kriplani, Weiping Wang **Time:**10:45-12:15

Venue: *Venue: Kobe International Conference Center -Room -501*

- PID:7 Assessment of Biogas Generation Potential of Napier Grass
Anuradha Deshmukh, P.B.Nagarnaik and R.A.Daryapurkar
- PID:15 Sensorless Field oriented control of PMSM Drive System for Automotive Application
Dr. M. B. Daigavane, Dr. S. R. Vaishnav and Mr. R. G. Shrivastava
- PID:16 Traffic Video Surveillance using Contourlet Transform
Archana Boharapi, Shilpa Paygude, Vibha Vyas and M.S.Sutaone
- PID:26 FPGA Implementation of Modulo ($2^{31} - 1$) Adder
R.D.Kharadkar, N.B.Hulle
- PID:28 A Novel approach for the screening and the classification of Macular Ischemia caused by
Diabetic Retinopathy Disease using Retinal Image Datasets
W.V.Patil, Prema Daigavane
- PID:36 Development of mathematical models for compressive strength of concrete containing quarry
dust and waste plastic as sand replacement
B.V.Bahoria, D.K. Parbat, P.B.Nagarnaik and U.P.Waghe

- PID:38 A Heuristic Approach for Automated Mammogram Orientation in Computer Aided Diagnosis
Vibha Bora Bafna, Ashwin Kothari and Avinash Keskar
- PID:52 Optimization of PV-Wind Hybrid Renewable Energy system for Rural Electrification
Jyoti Fulzele, M.B.Daigavane
- PID:54 Configuration Memory Based Dynamic Coarse Grained Reconfigurable Multicore Architecture for 8 point FFT
Rahul K.Hiware, Dinesh Padole
- PID:57 Experimental analysis on vapour compression-Thermoelectric hybrid refrigeration system
Siraj Sayyad, Uday Wankhede
- PID:65 Differential Protection of Three Phase Transformer Using Artificial Neural Network
P.B.Thote, M.B.Daigavane
- PID:67 Manufacturing difficulties encountered in generation of new profile for rotary compressor
Pravin K. Katare, Dr.Vilayat M.Kriplani

Lunch Break

Venue: Venue: Kobe International Conference Center–Lounge **Time:** 12:15-13:15

Keynote Speech-3

[Mieko Ohsuga, Professor, Osaka Institute of Technology](#)

[Title: "Past, Present, and Future of Driver Monitoring"](#)

[Chair: Koji Murai, Kobe University](#)

~~[Dr. U. B. Desai, Director, IIT, Hyderabad](#)~~

~~[Chair: Preeti Bajaj](#)~~

Venue: Kobe International Conference Center -Room -501 **Time:** 13:15-14:00

Keynote Speech-4

Yutaka Hata, University of Hyogo

Title: Analysis of Human Body Data for Internet of Health Care

Chair: Preeti Bajaj

Venue: Kobe International Conference Center -Room -501 **Time:** 14:00-14:45

Coffe Break

Venue: Venue: Kobe International Conference Center–Lounge **Time:** 14:45-15:00

Panel Discussion

S5: Panel Discussion On Lifestyle-Related Disease Prediction Under Big Data Analysis

Chair: Yutaka Hata, University of Hyogo, JAPAN

Venue: Venue: Kobe International Conference Center -Room -501 **Time:** 15:00-16:00

Panelists:

Manabu Nii, Univeristy of Hyogo, JAPAN

Naotake Kamiura, , JAPAN

Masakazu Mormoto, , JAPAN

Syoji Kobashi, JAPAN

Formatted: style14, Font: (Default) +Body (Calibri), 11 pt, Not Bold, Font color: Text 1

Formatted:

Formatted: Font: Not Bold

Formatted: Left, Keep with next

Formatted: Default Paragraph Font, Font: (Default) +Body (Calibri), 11 pt, Not Bold, Font color: Auto

PID:59 Medical Checkup and Image Data Anaysis for Preventing Life Style Diseases
*Manabu Nii,, Masakazu Morimoto, Syoji Kobashi, Naotake Kamiura, Yutaka Hata and Ken-
Ichi Sorachi*

S6: SPECIAL SESSION ON HUMAN FRIENDLY COMPUTING & APPLICATIONS

Chairs: Haruhiko Takase, Shubhangi Giripunje **Time:** 16:00-17:30
Venue: *Kobe International Conference Center -Room -501*

- PID:66 Macrophage tracking using the Hungarian algorithm in time lapse MR images
*Atsushi Tashita, Syoji Kobashi, Yuki Mori, Masakazu Morimoto, Satoru Aikawa, Yoshichika
Yoshioka and Yutaka Hata*
- PID:69 4D simulator using evolving cellular automata for computer aided macrophage behavior
analysis
*Yuichi Ishibashi, Manabu Nii, Daiki Komori, Takuya Iwamoto, Tomoharu Nakashima and
Yutaka Komai*
- PID:68 Surpress Redundant Spikes in SpikeProp -Locally Application of Removing Redundant
Delays-
*Takutoshi Nakayama, Haruhiko Takase, Takashi Matsumoto, Hiroharu Kawanaka and Shinji
Tsuruoka*
- PID:49 AResearch on an In-house Training Software and its Application
Weiping Wang
- PID:53 On Data Classification of Cataract Patients for Selecting Intraocular Lens Power Formula
Naotake Kamiura, Manabu Nii, Takayuki Yumoto, Tomofusa Yamauchi and Hitoshi Tabuchi
- PID:61 On Recognition of Three-Dimensional Objects Using Curvature Information
Keisuke Kudo, Teijiro Isokawa and Nobuyuki Matsui

Formatted: Border: Bottom: (Single solid line, Auto, 0.5 pt
Line width, From text: 4 pt Border spacing:)

Technical Sessions

November 20, 2015 (Friday)

Keynote Speech-5

Syoji Kobashi, Professor, University of Hyogo

Title: Developmental Retardation Quantification Based on Brain Morphometry Analysis

Chair: Koji Murai, **Time:**10:00-10:45

Venue: *Kobe University*, Faculty of Maritime Sciences

Keynote Speech-6

Capt. Kazunori Fujise, Hakata Pilot Association, Japan

Title:Actual Maneuvering Performance of Big Cruise Vessel QUANTUM OF THE SEAS (168,666GT, 347.10m LOA) equipped with pod propulsion system.

Chair: Koji Murai **Time:**10:45-11:30

Venue: *Kobe University*, Faculty of Maritime Sciences

Simulator Site Visit

Venue: *Kobe University*, Faculty of Maritime Sciences **Time:**11:30-12:20
