



Meenakshi Sundararajan Engineering College

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Message from the Editorial Committee

This Proceedings of this Conference includes forty peer-reviewed papers addressing the broad areas of biomedical imaging, healthcare technology, bio-engineering, biomedical sensors, bio-instrumentation, healthcare management and modeling.

Commensurate with the need for newer and novel techniques towards modern healthcare systems and biomedical applications, the learned authors of the papers have exercised high quality of technical disposition and state-of-the-art aspects of the topics deliberated. The editorial committee congratulates the efforts of the authors and gratefully acknowledges their input. The effort of the printers of the proceedings is also duly acknowledged.

We are confident that the contents of this Proceedings will definitely help the trait and ongoing trends in research, pertinent to biomedical and healthcare technology and management.

Contents

Pg. No

Session I:

Biomedical Imaging 06-08-09 9.30 AM to 12.30 PM

Panel members: **Dr. P.S. Neelakanta**, Professor, Department of Electrical Engineering, Florida Atlantic University, Boca Raton, Florida 33431, USA
Dr. V.R.Singh, Distinguished Professor and Director-level-Scientist, NPL, New Delhi
Dr. D. Selvathi, Professor, Department of Electronics and Communication Engineering, MEPCO Schlenk Engineering College, Sivakasi.

1. An Adaptive Filter for Speckle Suppression in Medical Ultrasound Images
A. Sanyal, A. Dutta, S.B. Dutta and M. Roy 1
2. A Comparative Study of Region-based Image Segmentation Methods for extracting Dead Cancer Cells in Microscopic Cytological Image
B.Gopinath, and B.R.Gupta 6
3. Transforming a Dynamic Image into a Temporal Aural-Chromatic (TAC) Format: An Entropy-based Approach towards a Navigational Aid for the Blind
A.M Fong, P. S. Neelakanta and Rothit S Sinha 13
4. Multi-scale Modeling Approach for Analysis of Tumor Angiogenesis
I. Pan and D. Majumder 19

Session II:

Biomedical Imaging 06-08-09 1.30 PM to 4.30 PM

Panel members: **Dr. Ramesh R. Galigekere**, Professor and Head, Department of Biomedical Engineering, Manipal Institute of Technology, Manipal University, Karnataka.
Dr.Debnath pal, Assistant Professor, Department of Bioinformatics, Indian Institute of Science, Bangalore.
Dr. S. Muttan, Assistant Professor, Department of Electronics and communication Engineering, Anna University, Chennai.

1. Kinematic Comparison of Normal Knee Joint of Man *versus* Artificial Knees (2 versions)
S. P. Rajkumar J, S. Sivarasu, and L. Mathew 23
2. Subjective Quality Prediction of SPIHT Compressed Medical Images
B. Kumar, S.P. Singh, A. Mohan and H. V. Singh 26
3. A New Anatomical Facial Reconstruction from CT Slices Based on Delaunay Triangulation
M. Eapen, R. Menaka and C.Chellamuthu 32
4. Quantitative Assessment on Human Retinal Microvasculature Using Wavelets
T.M Jayanthi and T Christy Bobby 38

5.	The SURE-LET Approach for MR Brain Image Denoising Using Different Shrinkage Rules <i>D. Selvathi, C. L.S.Malar and S. Thamarai Selvi</i>	43
6.	Changes in Brain White Matter Assessed via Textural Features Using a Neural Network <i>R. Kalpana, S. Muttan and B. Agrawala</i>	49
7.	A New Unsupervised Color Image Segmentation Approach Using DT-CWT Derived Features <i>S.Vasuki, L.Ganesan and R.F.R.Singh</i>	55

Session III:

Bio Engineering and Techniques 07-08-09 9.30 AM to 12.30 PM

Panel members:

Dr..M. Mukundarao, Emiritus Professor, Department of Medical Electronics, M. S. Ramiah Institute of Technology, Bangalore.

Dr.S.Shenbagadevi, Assistant Professor, Department of Electronics and communication Engineering, Anna University, Chennai.

Dr. Srinivas Pentyala, Director of Translational Research & Associate, Stony Brook Medical Center, New york.

1.	Heart Rate Variability (HRV) Analysis Among the Tea Garden Workers of North Eastern Hilly Regions of West Bengal in Time Domain <i>A. Ganguly, D. N. Tibarewala and S. Dasgupta</i>	62
2.	Characterization of HRV by Poincaré Plot Analysis Among the Female Tea Garden Workers of Northern Hilly Regions of West Bengal <i>S. Chatterjee, A. Ganguly and S. Bhattacharya</i>	70
3.	Studies on the Effectiveness of Allopathic and Polyherbal Drug on Glycosylated Hemoglobin (GHb) and Insulin levels in Diabetes Patients. <i>K. Poongothai and P.Ponmurugan</i>	75
4.	Exploratory Study to Investigate the Applicability of Existing Digital Stethoscopes in a Telehealth Setting <i>T. Gurney, A. Hafeez-Baig, and R. Gururajan</i>	80
5.	Towards the Development of Low-cost Computer-based Systems to Assist in the Rehabilitation of Stroke Patients <i>S.Pather, S. Carden and N. Prasser</i>	84
6.	Patient Monitoring System for Home Using Wireless Network <i>V.N.K Pradeep, L.Srinath, J.Skhandan and M.Ashok</i>	89
7.	A Portable Neuroprosthesis for Applications in Gait Rehabilitations With Stroke Patients <i>S. K .Sabut, M. Manjunatha, R. Kumar, C. Sikdar and P. Singh</i>	93

Session IV: Healthcare Technology 07-08-09 9.30 AM to 12.30 PM

Panel members: **Dr. Suman Kapur, Professor,** Center for Biotechnology, BITS, Pilani, Rajasthan.

Prof. M. Putta Raju, HOD, Department of Medical Electronics, Dayananda Sagar College of Engineering, Bangalore.

Dr. A.K.Fong, Director, SIMTech Institute of Manufacturing Technology, Singapore

1. Random forest Classifier Based ECG Arrhythmia Classification 98
V.Mahesh, A.Kandaswamy, C. Vimal and B. Sathish
2. Thermally Responsive Drug Delivery System for Cancer Therapy: New Challenges Ahead 103
Anima Ranjan
3. Statistical Textural Features Extraction for Medical Image Segmentation by Sum and Difference Histogram Technique- A Comparative Study 106
H.T.Kashipara and H. A. Patel
4. Image Fusion Based on Multi-scale Decomposition 112
T. Kalaiselvi, S. Poornachandra and A.Sumaiya Begum
5. A Novel Algorithm for Quick QRS Complex Detection Based on Discrete Wavelet Transform 115
S.Sumathi and M.Y.Sanavullah
6. Computer Aided System for Analysis and Segmentation of Fetal Heart Sound 120
V. S. Chourasia and A.K. Mitra
7. ECG Signal De-noising with Asynchronous Averaging and Filtering algorithm 125
A. Gautam H.J. Lee and W.Y. Chung

Session V:

Biomedical Sensors and Instrumentation 08.08.09 9.30 AM to 12.30 PM

Panel members: **Dr.V. Jagadeesh Kumar,** Professor and Head, Department of Electrical Engineering, IIT Madras, Chennai 600036.

Dr.N. Sujatha, Assistant Professor, Department of Applied Mechanics, IIT Madras, Chennai-36,

Dr. N.Sriraam, Professor and Head, Department of Biomedical Engineering, SSN College of Engineering, Chennai 603110.

1. SEMG for Human Computer Interface Using ANN to Navigate Wheel Chair 129
V. Rajesh and P. Rajesh kumar
2. Simulation of Ultrasound Wave Propagation and Beam Optimization 135
N.D. Londhe and R. S. Anand
3. A simplified Three Dimensional Model for Assessing the Tissue Stress Distribution of Foot for Orthotic Applications 140
S.. K. Paul, M. Mathew and L. Mathew
4. N200 ERPS Could Represent the Perceptual Processing of Symmetric Objects in Human Brain 145
T. Gandhi, B. Ghosh, P. Sinha, J. Santhosh and S. Anand

5.	Application of Fuzzy Logic for Analysis of Finger Prints Images <i>M.K. Mishra and M. Shukla</i>	149
6.	Design of an Electronic Tonometer for the Measurement of Intra Ocular Pressure <i>C. Geetha and S. Poonguzhali</i>	156
7.	Oximeter "The life Saving Instrument" <i>R.G Ajay Prakash, D. S. Mishra and P.G. Kumaravelu</i>	159

Session VI:

Healthcare Management and Modeling 08.08.09 9.30 AM to 12.30 PM

Panel members: **Dr. M.Rama Subba Reddy**, Professor and Head of Biomedical Engineering Group
Department of Applied Mechnaics, IIT Madras, Chennai - 600 036.

Dr. D. Shantha Selva Kumari, Professor, Mepco Schlenk Engineering College,
Sivakasi.

Dr.Karuensh K. Gupta, Assistant Professor, Electronics & Instrumentation Group, BITS,
Pilani, Rajasthan.

1.	Pharmacological Management with Updation in Urinary Incontinence Treatment <i>S.Arivoli and C. Karthik</i>	165
2.	Monitoring Tissue Oxygenation in Fore-finger Using Reflection Mode Type Continuous Wave Near Infrared Spectroscopy: Preliminary results <i>R Periyasamy, G. Murlidharan and Sneh Anand</i>	171
3.	Pharmacological Evaluation of S- Allyl Cysteine, a Garlic Component for Hypoglycaemic Activity and its Effect on Hepatic Enzymes of Glucose Metabolism in STZ-Induced Diabetic Rats. <i>G. Saravanan, P.Ponmurugan, G.P.Senthil Kumar, S.Sengotuvel and M.Vasudevan</i>	176
4.	Intensive Care Unit Monitoring Through Healthcare Network Established With Internet <i>A. Cellatoglu, K. Balasubramanian and T.Akdemir</i>	184
5.	Biomechanical Modeling of Materials Lifting Activities for Investigating Low Back Pain and Knee Arthritis with Special Emphasis on Increase of Body Weight <i>S. Dasgupt</i>	190
6.	Autoencoder Multi-layer Perceptron Network with Genetic Algorithm for HIV Modeling <i>P. Puniethaa and K. Duraiswamy</i>	194
7.	Glaucoma Detection Using Fundus Image <i>K.Poompavai and .S.Shenbagadevi</i>	203
8.	Planning of Infrastructure for a Hospital Building <i>K.S.Babai, V.S.Sampath, P.Nallathambi</i>	209

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Biomedical Imaging and Modeling

- Medical Imaging and diagnostics
- Mathematical and computational modeling in biomedical and health care Engineering
- Artificial intelligence in biomedical systems
- Pattern recognition
- Genetic algorithm and Neural network
- Biomechanics

Biomedical Informatics and Automation

- Bio informatics
- Telemetric assessment
- Controlled drug delivery
- Patient Informatics
- Perception-Based Engineering
- Nano technology in biomedicine

Biomedical Sensors and Materials

- Biomaterial science
- Ultra sensitive sensors
- Tissue engineering
- Cellular and biomolecular engineering

II. Healthcare Engineering

Healthcare Technology

- Assistive Technology for healthcare
- Enabling technologies to improve quality of healthcare service delivery
- Information and Communication technologies in health care for improved information quality
- Mobile and wearable technologies for next generation healthcare
- Embedded, real-time, networked system infrastructure

Healthcare Management

- Health-care operations planning and scheduling
- Patient flow modeling
- Ambulance location and control Management
- Bandwidth connection management for e-surgery
- Diagnostic and prognostic aspects of health care systems for chronic diseases such as diabetic, cardiac, and pre and post natal care

Healthcare Modeling

- Emergency Department Models using technology
- Risk management, patient safety and emergency department modeling
- Trust Models for healthcare systems
- Disease Modeling and Screening for healthcare
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Hospital Management and E-commerce

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- Notification of Acceptance - 20th Mar, 2009
- Last date for Registration (online) - 15th Apr, 2009
- Camera-ready paper submission - 1st May, 2009

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ICOBIAHC '09

Conference

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International Conference on Biomedical Instrumentation and Healthcare Engineering (**ICOBIAHC '09**) will take place in **Meenakshi Sundararajan Engineering College**, Chennai, Tamil Nadu, India from 6th to 8th of August 2009. The event is being organized and conducted by the Electrical and Electronics Engineering department.

ICOBIAHC will bring together researchers, scientists, engineers, scholars and students to exchange and share their experiences, new ideas, research results, the practical challenges encountered, the solutions adopted and about all aspects of Biomedical Instrumentation and healthcare Engineering. This conference consists of plenary talks, panel discussions, contributed oral and poster presentations and will provide opportunities for exchanging ideas.

BROCHURE

All submitted papers will be under peer review and accepted papers will be published in the conference proceeding.

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The Department of Computer Science & Engineering hosted a "National Conference on Trends in Computing Technologies" on March 5th, 2008. The advisory committee for this NCTCT'08 comprises of four external members, Professors from Anna University and Florida Atlantic University, USA. We had received more than 110 research papers from various institutions and organizations in India.



NCAET '08 - National Conference on Advancement in Emerging Technologies

The Department of Electronics and communication Engineering has organized a National Conference on "ADVANCEMENT IN EMERGING TECHNOLOGIES" on 25





January, 2008. We received 70 papers from P.G. students, Research Scholars and Academicians. The panel experts from Anna University and Dr.M.G.R. University reviewed the selected papers.



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Conferences : International Conference On Biomedical Instrumentation And Health Care Engineering

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End Date : 08-Aug-2009

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Event Profile

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1. Biomedical Instrumentation
Biomedical Imaging and Modeling: Medical Imaging and diagnostics, Mathematical and computational modeling in biomedical and health care Engineering, Artificial intelligence in biomedical systems, Pattern recognition, Genetic algorithm and Neural network, & Biomechanics.
Biomedical Informatics and Automation: Bio informatics, Telemetric assessment, Controlled drug delivery, Patient Informatics, Perception-Based Engineering, & Nano technology in biomedicine.
Biomedical Sensors and Materials: Biomaterial science, Ultra sensitive sensors, Tissue engineering, & Cellular and biomolecular engineering.
2. Healthcare Engineering
Healthcare Technology: Assistive Technology for healthcare, Enabling technologies to improve quality of healthcare service delivery, Information and Communication technologies in health care for improved information quality, Mobile and wearable technologies for next generation healthcare, & Embedded, real-time, networked system infrastructure.
Healthcare Management: Health-care operations planning and scheduling, Patient flow modeling, Ambulance location and control Management, Bandwidth connection management for e-surgery, Diagnostic and prognostic aspects of health care systems for chronic diseases such as diabetic, cardiac, and pre and post natal care.
Healthcare Modeling: Emergency Department Models using technology, Risk management, patient safety and emergency department modeling, Trust Models for healthcare systems, Disease Modeling and Screening for healthcare, & Organic computing for healthcare networks.
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[▲ Top](#)

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View Item: Exploratory Study to Investigate the Applicability of Existing Digital Stethoscopes in a Telehealth Setting

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Details	Summary	Actions	Other Formats	History								
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Authors Name	Authors email (if known)											
Gurney, Tiana	gurneyt@usq.edu.au											
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