

MEDITEL 2008 PROGRAMME

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December 19,2008

Day:Friday

Venue : Sri Ramachandra University Auditorium

8.00AM to 9:00 AM

Registration

Session I

9.00AM to 10.20AM

HMIS –Free Papers Session-40 mins(10 min each)

Chair-persons – Dr. Parimalam Kumar & Dr. Thanga Prabhu

- 1. Patient Care Strategies for Global Positioning -
Dr. Sukumar Raju, Professor SRCM Chennai.**
- 2. Clinical data Integration-Introduction to the data consolidation and integration services using available Technology Platforms – Mr.Niranjan Kumar Krishnan, Chief Operating Officer.**
- 3. Design and Development of Master Health card System for patient management – Mr. Vageesh Kantli, Dept. of Biomedical Engineering Bapuji Institute of Engineering and Technology.**
- 4. Health informatics leading towards changing practises: A snapshot - Dr. Mir Atha Hussain, Medical Informatics Lead, Dr.Mir Atha Hussain Al Ain Hospital**

**Neural network - Free Papers Session-
30 mins(10 min each)**

Chair-persons –Dr.R.Nagarajan & Dr.N.Raghevendra Rao

- 1.Neural Network Based Classifier for Cardiovascular disease diagnosis - Jayanthi K, Balsubramaniam, K.S.Rangasamy College of Technology**
- 2.Segmentation of Brain from MR images - Ms. Reji Rajan Varghese ,VIT University**
- 3.Fuzzy Medical Diagnostic decision support System - Dr.Kavishwar Waghlikar, Dr.Sanjeev Mangrulkar, Dr.Ashok Deshpande, Dr.Vijayraghavan sunderarajan, University of pune**

Session II

10. 20AM to 12 Noon

Telemedicine (10 min each)

10.20AM to 10.30AM

Chair- persons – Dr.MG Bhat & Mr.Jai Ganesh

1. Teledermatology - towards improved delivery of skin health care –Prof. Jayakar Thomas , MD., DD., MNAMS., PhD National President,Indian Society of Teledermatology &International Vice-President,International Society of Teledermatology

10.30AM to 10.40AM

2. Content analysis of 1500 clinical email exchanged among Dermatologists in academic dermatology practice in India - Dr. Parimalam Kumar , Dermatology, M.D.,D.D.,DNB. Senior Assistant Professor Department of Dermatology Stanley Medical College Chennai. National Secretary Indian Society of Teledermatology,Member, Advisory Board International Society of Teledermatology

10.40AM to 10.50AM

3. TELEMEDICINE INVENTED TO REACH THE UNREACHABLE - Dr. Kumar Menon , Specialist(Medical informatics / Telemedicine), Physician in charge Telemedicine at AIMS Center for Digital Health, Amrita Institute of medical sciences,Kochi

10.50 AM to 11.10AM

Coffee Break

11.10AM to 11.15AM

Rural Telemedicine Demonstration

11.15AM to 11.25AM

Tele-intimation Garment For Extreme Healthcare and Defence Personnel – Ashok kumar

11.25AM to 11.40AM

Ethical and Legal Issues in Telemedicine Practice- Indian Perspective - Dr. Sunil Shroff, FRCS (UK), Urol (Lond) President, Medical Computer Society of India & Prof - Urology & Renal Transplantation. Sri Ramachandra Medical College & Research Institute, Chennai.

11.40AM to 12.00 PM

Live Demonstration From Australia

Mr. Prabaharan Altosys Software Technologies

Session III

Invited Talks

Chair- persons – Prof.Shivram & Mr.Rama Subramaniam

12.15 PM to 12.30 PM

Funding oportunities from Govt through Technology Development and Innovation Programme (TDIP) & Technopreneur Promotion Programme (TePP) -

Dr A .S Rao, Member Secretary, Department of Scientific & Industrial Research Technology Bhawan, New Mehrauli Road, New Delhi

12. 30 PM to 12.45 PM

Ultrasound Elastography: a high tech form of palpation

using ultrasound - Dr. S. Suresh, Mediscan Systems, Chennai

12.45 PM to 1.00 PM

Addressing The Data Integration Challenge At A Hospital Group - Sanjay Suri, USA

1.00 PM to 1.40 PM

Lunch

Session IV

Chair persons –Dr.Subramanianshivan Natarajan & Dr.Vasumathi Ganesh

1.40PM to 2.20PM

**Artificial Intelligence and Neural Networks in Medicine
Keynote talks Computational Intelligence & Neural Network - Prof. Rangaswamy, Vice Chancellor, SRMC & RI
20 mins**

**Fundamentals & Applications of Neural Network For Healthcare Applications- Dr.N.Sriraam, Prof & HOD of Biomedical Engg, SSNCE
15 mins**

Session V

2.00 PM to 3.00PM

Chair-persons-Prof.Rangaswamy & Prof.Shivaram

Keynote Talks

2.20PM to 2.35PM

National Health Information Collaboration - Mr.Ranjan Dwivedi, National Programme Officer, World Health Organization, N. Delhi

2.35PM to 2.50PM

Development of an advanced Early Warning & Automated Response Systems(EWARS) for epidemic predication and prevention – Dr.Ajit Babu, Kochi

2.50PM to 3.00PM

The role of medical imaging in pharmaceutical clinical trials - Dr. Deven V.Parmar, VP, Wockhardt Research

Session V

3.00 to 3.40 P.M

HMIS-II & EMR- Corporate presentation

Chair-person- Dr. Sudha Rani & Dr.S.Shroff

1. HIS on line – A cost effective model - Amitava Dutta – UBQ – 10 mins

2. EMR – present, future and Beyond – Saspro Solution –Mr.Perumal K – 10 mins

3.Clinician Engagement is the key to successful Clinical Transformation while deploying Electronic Health Records in Healthcare organizations- Perot Systems- Dr. Shivam Natarajan - 10min

4. Business Intelligence Implementation-Using open source tools - Aavanor System – Mr. Vennimalai - 10min

**3.40PM to 3.50PM
Session VI**

Coffee Break

3.50PM to 4.30PM

Free Paper Presentation /Poster Presentation – (Parallel Sessions)

Hall 2 – Poster Presentation

Chair Person – Dr.Malathi & Dr. S. Raju

- 1. Noninvasive technique to monitor the development of larynx cancer -
Ramya Bhaskar**
- 2. Development and comparative study of loading efficiency of Cationic
Liposomes and Biomaterial (Chitosan)containing plasmid DNA -
V. Suganthan Sugathan**
- 3. Blunder lecture-an innovative method of teaching -
Ganesh.M, Sammal.M.**
- 4. Performing evaluation of EEG based mental tasks classification for
BCI application - R. Sivaramkrishnan R**
- 5. Save a life says the green light: Ms. Purnima Ravi**
- 6. Automated Epileptic EEG detection - Srinath Vukkadala**
- 7. A Review on the Evolution of Algorithms used in -Bioinformatics
search tool - blast-Anuradha Malempati , Prasad Reddy PVGD**
- 8. A study of the clinical profile of patients with atrial fibrillation
attending a tertiary care center and their correlation with
echocardiographic findings- Balasubramaniam JV,
Dr. Vengadakrishnan.K., Bhaskar Reddy PV, JS Satyanarayana
Moorthy**
- 9. RETRIEVAL OF MEDICAL IMAGES IN A PACS ENVIRONMENT -
J.Vijay, Lecturer**

Session VII

Main Hall – Free Paper Presentations

Chair Persons – Mr.Bill Theis & Dr.Ajit Babu

- 1. MRI Brain Image Representation using Multi-resolution and Multi-
directional Transformers - Dr. D.Selvathi, Mr.S.Raja, Dr.S.Thamarai
selvi**
- 2. Perceived Usefulness of IT Enabled Services in
Charity Fund-raising Settings- P.Sundarraaj**
- 3. Effect of Sampling Entropy Parameters on EEG Classifiers-Pravin
Kumar**
- 4. Nursing Information System- Babu Dharmarajan**
- 5. Novel Application of Hospital Management services in patient's**

safety-Our experience at an urban multi specialty Hospital-
Dr. Elango P, Dr. Sreekanth G, Dr. Parvathavarthini S, Dr.N Sanjeeva
Reddy, Dr.Damodharan J

6. Case Report Use of Blogs as a tool for Monitoring and Evaluation?
A case report from Health System Project, Department of health and
Family Welfare, Govt. Of Tamil Nadu-Dr.J.Mariano Anto Bruno
Mascarenhas.
7. Medical Diagnosis System Using Image Mining Technique -
P.Rajendran and M.Madheswaran
8. Web Application/Portal built around Nutrition Engine – Mahul Shah
9. On some graph theoretical techniques for biological networks -
V Yegnanarayanan and Uma Maheswari
10. Physiochemical analysis and allergenic site exploration of pollen
allergen proteins to facilitate vaccine development.- Ruchi Sharma,
A.K Singh, V.Umashankar

Session VIII

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| 4.30PM to 5:30 PM | Workshop –I - Bio-Informatics Labs-Dr. Raghunath

Work Shop II – Main Hall - Searching for medical Literature -
Dr. Vasumathi |
| 7:30 PM | Inauguration Session and Dinner- Hotel Green Park, Vadapalani
(Only by Invitation & Full Registration Delegates Only) |
| 7:30 PM | Invocation & Lighting of Kuthuvilakku |
| 7:35PM to 7:45 PM | Welcome Address-Dr. Sunil Shroff |
| 7:45PM to 7:50 PM | Felicitation of Guests-Thiru.V.R.Venkatachalam (Chancellor) |
| 7:50 PM to 8:05 PM | Keynote Address - Thiru.R.Ramraj,
Member of the global Board of Trustees of TiE (The Indus Entrepreneurs)

'Can IT help HealthCare be more "Demand' than "Supply" driven?' |
| 8:05PM to 8.20PM | Keynote Address- Thiru.P.W.C.Davidar, IAS, IT Secretary,
Govt. of Tamil Nadu

'e-Governance Initiatives in Healthcare in TN' |
| 8.20PM to 8.30 PM | Chief Guest Address-Thiru. V.K. Subburaj, IAS |
| 8.30PM to 8.35PM | Vote of Thanks-Dr. N.Sriraam |
| 8. onwards | Banquet Dinner |

December 20,2008

Day:Saturday

Venue: Sri Ramachandra University Auditorium, Chennai

8.00AM to 9.30 PM

Workshops

1.Medical Imaging-Dr. R.Nagarajan

2. Biomedical Instrumentation-Dr.N Sriraam

Session I

9.30 AM to 10.30 AM

**Webex Clinical Decision Support - Experiences and Experiments -
Panel Discussion Anchor - Dr. Thanga Prabhu, Dr.Shroff**
Panel List : S. N.M. Tirmizi (Veterans Administration), Janusz
Wojtusiak II(Geroge Mason University), Sanjaya Kumar (Quantros)

Session II

10.30 AM to 10.45 AM

Chair-persons – Dr.Thanga Prabhu & Dr. Bruno

**Web 2.0 Technologies as applicable in Healthcare - Arun Shroff,
NJ, USA**

Session III

**10. 45 to 11.30 AM
(15 min each)**

**E-learning and Medical Research
Chair-persons Dr. Sunil Shroff & Dr.T.R Gopalan**

Session Anchor - Dr. Balasubramanyam

- 1. E- Learning - current trends inIndia -Dr. Balasubramanyam,
Dept of Anatomy and Head, St. John's Medical College, Bangalore**
- 2. Use of satellite technology for Higher Education - Dr. GauriGauri
Shekar, Professor, National Institute of Technology ,Mysore, Karnataka**
- 3. Touch Screen Kiosk for Patient Education -Dr. Tony Sebastian Raj,
Professor, Dept of Physiology and Head, Medical Informatics Unit, St.
John's Medical College, Bangalore**

(Session IV)

11.30AM to 12.30 PM

E-learning and Medical Research

Chair-persons- Dr.Ravindranath & Dr.PV. Vijayraghavan

- 1. A multicentric family medicine diploma course using multimedia
technology. – Dr. Vinod Shah , Head of the Department of Distance
Education- (15 mins)**

**2. Cochranne Collaboration- Informed healthcare in South Asia -
Dr. Pratap Tharyan – (20 min)**

3. Learning Cardiac Auscultation - Dr. Ajit N Babu, - (8 mins)

15 Min – Panel Discussion – Q & A

Session V

12. 30 PM to 1.20 PM

Newer Technologies in Health care

Chair-persons – Dr.Anandan, & Dr.Mukesh Doble

**1. Collaborative Technology- An Enabler in Virtual Medical Research
Centre Dr.N.Raghavendra Rao , Professor, SSN School of Management &
Computer Applications, Chennai (10 mins)**

**2. World's first prepaid service for doctors consultation from any phone
(Fixed Line, Mobile from any service provider in India or abroad) on
OxiCash Prepaid Platform Sunil Kulkarni, Group President, Oxigen
Services(India) Pvt. Ltd. (10 mins)**

**3. RFID (Radio Frequency Identification) -Technology Transform
Health Care Industry – Dr.Sudha Rani Kodati,
Director, Endo Soft Solutions Pvt. Ltd. – (10 mins)**

**4. Science of Touch in Healthcare – Education and training-
Dr. M.Manivanan, IIT Madras - (10 min)**

8 mins – Q & A

1.20PM to 2 PM

Lunch

Session VI

2 PM to 3.10PM

IT in Healthcare-Invited Talks

Chair-persons – Dr.Ranjan Diwedi & Dr.Malathi

**Keynote – Early Drug Discovery : Computational Modeling Techniques
in the Identification of New Drug Candidates - Dr.Ganesh A. Kumar,
Director, Discovery Computation, Orchid Pharma**

2.20PM to 2.45PM

Improving Healthcare via Transparent Monitoring

Mr. Bill Thies-MIT & Microsoft

2.45PM to 3.00PM

**Diabetic Retinopathy - Dr Chandrasekaran, Professor, Sri Sathya Sai
University, Andhra Pradesh**

3.00 PM to 3.10 PM

**Healthcare Insurance claims Settlement Network, Healthsprint -
Mr.P. Rammohan**

Session VII

3.10PM to 4.10PM

Free Paper Presentation /Poster Presentation – (Parallel Sessions)

Hall 2 – Poster Presentation

Chair-persons – Dr.Aswin & Dr.Jai Ganesh

(3 mins presentation ans 2 mins Q &QA)

- 1. Digital analysis of erythrocyte shape changes in smoking - Yuvraj Velusamy**
- 2. Influence of Malaria parasites on Erythrocytes shape as analyzed by shape description: Maombi F, J.B. Jeeva, and Megha Singh- Division of Biomedical Engineering, VIT University, Vellore**
- 3. Color Vision test using lab view:- Ahilaa T.D., Indrani R, PSG College of Technology, Coimbatore**
- 4. Development of drug for Myocardial infraction using Juglans regia: SS Prayer rini & Hemlatha Karnan, Lecturers, BME Dhanalakshami Srinivasan Engineering Collage, Department of Biomedical Engineering, Perambalur**
- 5. A Feasibility study on survival prediction of Kidney failure patients in India:-Sundar C.I., Rajesh P.B.I, Aswin Kumar C.S.I., Sriraam N. & Pravinkumar S, Undergraduate students, Department of Biomedical Engineering SSN College of engineering, Chennai**
- 6. Correlation of Neuro-Muscular activities for BCI applications-A pilot study - Karthikeyan G., Dr. N Sriraam, J. Kamala Kannan, SSN College of Engineering, Chennai**
- 7. Insilico identification of Putative drug targets in streptococcus pneumoniae through metabolic pathway analysis:-Shobana Kumar, Lakshmi Prabha A., Thiagarajan B., Sathyabama University, Chennai & Dept. of Bioinformatics Dr. G R Damodaran college, Coimbatore**
- 8. THE BROKEN LECTURE : AN INNOVATIVE METHOD OF TEACHING - Dr.S.ROOPA**
- 9. AN EVOLUTIONARY ALGORITHM BASED APPROACH TO RESOLVE MUTUALLY OCCLUDING CHROMOSOMES -S Ganesh Vaidyanathan, Dr.N.Kumaravel Dr.Bibhas Kar**
- 10. SATELLITE COMMUNICATION -SANJENBAM PRIYANKA**
- 11. Insilico Identification of Putative Drug Targets in Streptococcus pneumoniae through Metabolic Pathway Analysis-shobana Kumar,Sathyabama University.**

Session VIII

Main Hall – Free Paper Presentations (6 mins presentation)

3.10PM to 4.10PM

- 1. Necessity of mobile Telemedicine to help the Rural Community-
D Sateesh Kumar**
- 2. Prenatal Detection of foetal abnormalities - Nandkumar Ramasamy**
- 3. Information system for a small hospital - Kothainayagi Chidambaram**
- 4. Detection of arthritis using Electrical Impedance Technique-
M.S.Sangeetha, J.Bethanney Janney, G.Harikrishnan**
- 5. Patient Video Compression for Telemedicine Applications using SSI-
Prediction Approach- A.Shenbagavalli, L.Ganesan and N.Sriraam**
- 6. Smart Pharmacy Abet Representation Kit(Spark)- A Pervasive
Healthcare system in Secured Hospitals using RFID Technology**
- 7. Design of an advanced Apnea Monitoring System-Vednarayanan V**
- 8. Medical Decision Making System Using Intima Media Thickness
Measurement-N.Santhiyakumari & M.Madheswaran**
- 9. Optical imaging and parametric analysis of frostbite changes in human
hand tissues" authored by P. S. Pandian, M. Kumaravel and Megha
Singh.**
- 10*MEDICAL IMAGE ENCRYPTION USING CHAOS MAPPING FOR*
TELERADIOLOGY APPLICATIONS
G.A.Sathishkumar , Dr.K.Boopathy bagan, N.Sriraam**
- 11. Patient Video compression for Telemedicine Applications -
Shenbagavalli A**
- 12. Estimation Gestational age in early trimester fetal images using
improved contour segmentation technique: B.Priestly Shan &
Dr.M.Madheswaran.**

4.15 PM to 4.30 PM

Validictory Function