



IITC 2008 – Conference Schedule

Tuesday 28th October 2008

9.00 – 9.30 Registration

Session I – Inaugural Session

9.30 Lighting of Traditional Oil Lamp, National Anthem

9.40 Welcome Address by the Chairman of the Main Organizing Committee of IITC 2008

9.55 Address by the Chief Guest, Mr. Lalith Weeratunge, Secretary to HE the President of Sri Lanka

10.15 Address by the Guest of Honour, Prof. P. W. Epasinghe, Chairman, Information & Communication Technology Agency of Sri Lanka

10.35 Launch of the ICTer Journal of Research

10.45 Tea

Session II - Web Services and Internet Applications

11.00 Mahatittha : An Open Source Distributed Transaction Manager for Spring Framework by Leveraging Reliable Group Communication

P.G.D.S.Karunasena

11.20 Rampart2

Saliya P. Ekanayake, Sameera M. Jayasoma, Kelani C. Ruvanpathirana and Isuru E Suriarachchi

11.40 Channel Request Broker Architecture for Web Service Coordination

Kasun W. Samarasinghe and D.N.Ranasinghe

12.00 Design a Service Oriented Customizable Framework to Manipulate GIS Data

P.A.G.Nonis and D.D. Karunaratne

12.20 Lunch

Session III - e-Learning

13.20 - **Keynote Address I**

Educational Design for e-Learning and Professional Development

Prof. Brian Hudson

13.50 - Role Based Competency Modeling for e-Learning Content Development

Kengatharaiyer Sarveswaran, and Shantha Fernando

14.10 - Semantic Web Model for e-Learning

Sarasi Lalithsena, K.P. Hewagamage, and K.L. Jayaratne

14.30 - Development of a Live Virtual Classroom Environment for Blended Learning

K. S. Lasith Gunawardena, Champa Hewagamage, and K.P. Hewagamage

14.50 - Tea

Session IV - Intelligent Systems

15.05 Face Recognition using Informative Vector Machines

K.A.D.N.K. Wimalawarne, and Chathura de Silva

15.25 Application of Ontologies in Disaster Management

Karthiga R Ratnam, and D.D. Karunaratne

15.45 An Adaptive Fuzzy Logic Based Diagnostic Decision Support System for Critical Care Medicine.

S.R.Liyanage, K.S.Walgama, and C.D.A.Goonasekara

16.05 An ANN Based Recognition System for Sri Lankan Currency Notes

D.A.K.S. Gunaratna, N.D. Kodikara, and H.L. Premaratne.

16.25 Predicting Trading Signals of the All Share Price Index Using a Modified Neural Network Algorithm

C. D. Tilakaratne, J. H. D. S. P. Tissera, and M. A. Mammadov



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Wednesday 29th 2008

Session V - Information System Security

- 9.00 **Keynote Address II**
MagicNET and CryptoNET: New Concepts and Technologies for Secure Network Environments
Prof. Sead Muftic
- 9.30 Claim Based Identity for Authentication and Authorization in Web Services
Supun Kamburugamuwa, Milinda Pathirage, Kasun Indrasiri and Prasad Perera
- 9.50 WSO2 WSAS -Web services Security in Practice
Nandana Sampath Mihindukulasooriya
- 10.10 Developing a Digital Forensic Framework for Sri Lanka
Kasun de Zoysa, Keerthi Goonathilake and Ravith Botejue
- 10.30 Tea

Session VI - Mobile and Wireless Applications

- 10.50 DEWN II : A Trilingual Disaster and Emergency Warning Network
Lanka Wijesinghe, Prasanga Siriwardena, Sinnathamby Shanmugarajah Sameera Wijeratne, Randinee Wijesinghe, Michael de Soyza, Harsha Purasingh and, Dileeka Dias
- 11.10 Cellular Intercom
B.M.D.Prasad Bandara, J.T.Charith Gunasekara, K.U.Kelum Weliwatta, W.A.I.Maduranga Wickramasinghe, Ajith Pasqual and Dileeka Dias
- 11.30 Automated Pothole Detection System
Girisha de Silva, Ravin S. Perera, Nayanajith M.Laxman Kenneth, M.Thilakarathna, C.I.Keppetiyagama, and Kasun de Zoysa
- 11.50 Zigbee Based Local Communication System for a High Noise Environment
K.V.R.Silva, N.D. Suraweera, D.S. Talagala, D.K. Thilakarathna and Dileeka Dias
- 12.10 Lunch

Session VII - Localization and Local Language Procession Applications

- 13.00 **Keynote Address III**
Our New Online World: Implications and Imperatives
*Prof. San Murugesan, University of Western Sydney, Australia
Multimedia University, Malaysia*
- 13.30 Inexact Matching of Proper Names in Sinhala
S.C.Fernando and Gihan Dias
- 13.50 Example Based Machine Translation for English-Sinhala Translations
Anne Mindika Silva and A.R. Weerasinghe
- 14.10 A Morphological Parser for Sinhala Verbs
T.N.E.Fernando and A.R.Weerasinghe

Session VIII - Distributed and High Performance Computing and Algorithms

- 14.30 On the Performance of Functional Hybrid Programming Models for Matrix Multiplication on Virtual Shared Memory and Distributed Memory Clusters.
Mahesh Kandegedara, and D.N.Ranasinghe
- 14.50 Samant : A Hybrid ACO/PSO Approach for Dynamic Grid Load Balancing
Samadhi Nallaperuma and Malik Silva
- 15.10 Simulation of Self Similar Random Trees
K.D.S. Jinasena, and D.U.J. Sonnadara
- 15.30 Tea

Session IX - Business Information Systems

- 15.55 Effective logistics Process for the Soft drinks Industry
K.H.D.Kumarasiri and Shiromi Arunathilake
- 16.15 A Model for Writing an Effective Privacy Policy
Rasika Dayaratne and Prathiba Mahanamahewa
- 16.35 Naming and Award of the Best Paper

Poster Papers

1. Behavior-based Robotics and the Reactive Paradigm
Lalindra Niranjana de Silva
2. Identification of Factors that affect the Implementation of New Medical Information Systems in Sri Lanka
P.M.Dassanayake, and W.M.J.I. Wijayanayaka
3. Axis2 Python Binding
Heshan Theekshana Suriyaarachchi
4. Off-line Sinhala Handwritten Postal City Name Recognition Using Segmentation Free Algorithms
A.G.A.V. Anuradha, and N.D.Kodikara
5. A Statistical Approach to English and Sinhala Translation
Jeevanthi U. Liyanapathirana, and A.R.Weerasinghe



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