

## E-Asia 2009 Conference – Agenda of Emerging Technologies Track

*Track Chair: Dr. N.D. Kodikara, University of Colombo*

*Track Coordinator: Mr. Sanjaya Karunasena, Head of Technology and Chief Software Architect, ICTA, Sri Lanka*

3<sup>rd</sup> December - Session 1 - 8:45 -10:15 hrs

Theme: Web Services and Internet Applications

Chair: Mr. Wasantha Deshapriya, Director Re-engineering Government, ICTA, Sri Lanka

08:45– 09:15	Keynote Address: Value creation in the future from Next Generation Networks	Mr. Mr. Nigel Dye, Managing Partner/CEO Metanoia Partners
09:15 – 09:30	Dcache: A Peer - to - Peer Web Cache	Wathawana Vithanage Wathsala
9:30 – 09:45	Streamline the Microfinance process using Mashups	Supunmali Ahangama
09.45 - 10.00	MOINC, A Fusion of Web Services and Grid Computing	Nimantha Baranasuriya
10.00 – 10.15	Q&A	
10.15 – 10.35	Tea	

3<sup>rd</sup> December Session 2 - 10.35 – 11.35 hrs

Theme: Data & Information Management

Chair: Mr. PK. Wickramarachie, Former Managing Director Sri Lanka Telecom

10:35 – 11:00	Keynote Address: Managing IT in 2010	Mr. Manoj Chugh, President of EMC India & SAARC
11:00 – 11:25	Keynote Address: Data Warehousing & Mining	Sanjay Ray Chowdhury, Director - Solution Engineering, SAP India Pvt Ltd
11.25 – 11.35	Q&A	

3<sup>rd</sup> December - Session 3 - 11:45 - 13:15 hrs

Theme: Information Systems Security

Chair: Mr. Shantha Fernando, University of Moratuwa

11:45 – 12:15	Keynote Address: Developments in Forensic Investigation in Sri Lanka	Dr. Kasun de Zoysa, Senior Lecturer, University of Colombo School of Computing Sri Lanka
12:15 – 12:30	Securing Multiple Platforms for Safeguarding Personal, Enterprise and Cloud-based Information	Navin Govind
12:30 – 12:45	Applying the new Security Framework for Telemedicine	Jeffy Mwakalinga
12:45 – 13:00	mPKI – A Generic Model of Applying Public Key Infrastructure into Mobile Phones	B. D. K. S. Perera
13.00 – 13.15	Q&A	

13.15 – 14.15	Lunch	
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3<sup>rd</sup> December - Session 4 -14:15 -15:45 hrs

Theme: Networking and Wireless Applications

Chair: Prof. Dileeka Dias, Professor of Electronic & Telecommunication Engineering  
University of Moratuwa, Sri Lanka

14:15 – 14:40	Keynote Address: NFC: Bringing True Interactivity to the Mobile Phone	Prof. Dileeka Dias, Professor of Electronic & Telecommunication Engineering University of Moratuwa, Sri Lanka
14:40 – 14:55	Choosing the best value broadband service in India	Govinda Raj A
14:55 – 15:10	IP Convergence	Ashwani Kumar, Director-Sales Engineering SAARC Countries, UTStarCom
15:10 – 15:25	Analysis of Clustering Algorithms for Concept Hierarchy Formation	Ketteepearachchi D.C.
15:25 – 15:40	IP Convergence	Ashwani Kumar, Director-Sales Engineering SAARC Countries, UTStarCom
15:25 – 15:40	Internet for Everyone using any Phone: Fastest & Practical Way to Bridge Digital & Language Divides	Emdad Khan Sundeep Bedi
15.40 – 15.45	Q&A	

15.45 – 16.15	Tea	
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3<sup>rd</sup> December – session 5 - 16:15 -17:30 hrs

Theme: Telecommunication

Chair: Mr. Oleg Petrov, Programme Coordinator, World Bank

16:15 – 16:35	Keynote Address: Imperatives of Sector	Mr. K K Gunawardena, Former
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	Specific public goods in liberalized telecom market	Director General, Telecom Regulatory Commission, ITU regional representative
16:35 – 16:55	Keynote Address: Mobile + Digital Empowerment Platform for Global Sustainability	Dr. Hans Wijayasuriya, CEO Dialog Telekom, COO Axiata
16:55 – 17:20	Keynote Address: Fiber to the home (FTTH)	Oliver W Cheung, Business Development Manager – Cabling Solutions, 3M APAC, Hong Kong
17.20 – 17.30	Q&A	

4<sup>th</sup> Dec - Session 6 – 08:45 – 10:15

Theme: Intelligent Systems and Algorithms

Chair: Prof. Asoka Karunananda, Head/Information Technology, Faculty of Information Technology, University of Moratuwa, Sri Lanka

08:45 – 09:15	Keynote Address: Multi Agent paradigm for program execution on Von-Neumann machine	Prof. Asoka Karunananda, Head/Information Technology, Faculty of Information Technology, University of Moratuwa, Sri Lanka
09:15 – 09:30	Ontology Based Optimal Location Prediction For Fishermen	V.G.K Kumari
09:30 – 09:45	Recognition of Local Traffic Signs Using Color-SIFT Features	K. Ananthakrishnan
09:45 – 10:00	Sinhala OCR (Digital, Handwritten, & Palm-leaf Text)	G. Balachandran
10.00 – 10.15	Q&A	

10.15 – 10.35	Tea	
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4th December Session 7 - 10:35 – 11:35 hrs

Theme: Next Generation Datacenter

Chair: Dr. Theekshana Suraweera, Sri Lanka Institute Information Technology (SLITT)

10:35 – 11:20	Keynote Address: Next Generation Datacenter - A Novell Perspective	Dr. P.K. Mishra, Principal Consulting Architect, Novell India
11:20 – 11:35	Q&A	

4<sup>th</sup> December Session 8 - 11:45 -13:15 hrs

Theme: Localization and Language Processing Applications

Chair: Prof. Gihan Dias, University of Moratuwa, Sri Lanka

11:45 – 12:15	Keynote Address: From Localization to Language Processing: Tools and Resources	Dr. Ruwan Weerasinghe, University of Colombo School of Computing, Sri Lanka
12:15 – 12:30	An Open-Source Data Driven Spell Checker for Sinhala	Ruwan Asanka Wasala
12:30 – 12:45	Cognate-based Creation of a Sinhala-English Lexicon; a Proposal	Ruwan Gamage
12:45 – 13:00	Innovative Use of Digital Audio in Research	Peter Mozelius
13.00 – 13.15	Q&A	

13.15 – 14.15	Lunch	
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4<sup>th</sup> December - Session 9 -14:15 -15:45 hrs

Theme: Virtual and Augmented Reality

Chair: Dr. N.D. Kodikara, University of Colombo

14:15 – 14:30	Surface Interactive and Tracking System Using Low Cost Infrared Technology	A. Rukshan Perera
14:30 – 14:45	Passive Tracking for Mobile Augmented Reality Using Landmarks	S. R. Dharmawardhana
14:45 – 15:00	Fusion Book	L.S.G. De Silva
15:00 – 15:15	Interactive Augmented Reality for 3D Modeling	Janaka Prabhash Kumarasinghe
15:15 – 15:35	Secure Banking for Customers	Ershard Halaldeen, Group Manager, Transaction Processing Systems, DMS Electronics Ltd.
15:35 – 15:45	Q&A	

15.45 – 16.15	Tea	
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Poster Demonstrations:

<b>I</b>	Building Updatable XML Views over Object-Relational Databases	Anuradha Karunasena
<b>II</b>	Towards a model for computational aesthetics	W.A.P. Wickramasinghe
<b>III</b>	InforMate - A GIS for Diverse Mobile Devices	B.K.A. Perera