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OBJECTIVE

Apply the academic and industrial experiences in being a valued entrepreneur that recognizes new developments in technology and anticipates trends in order to offer clients the latest available information services.

EDUCATION

- M.Sc/PG Diploma Industrial Automation, University of Moratuwa, Sri Lanka (Oct 2008)
- M.A. Operations Research, University of Montana, U.S.A (May 1999)
- B.A. Mathematics and Computer Engineering, University of Maine, U.S.A (May 1995)
- Advance Level Physical Science, S. Thomas' College, Sri Lanka (September 19989)

WORK EXPERIENCES

LIRNEasia (www.lirneasia.net), Sri Lanka, (Dec. 2005 – now)

- *Researcher/Project Manager* - Real Time Biosurveillance and Alerting System (Epidemiology Unit, Ministry of Health, Sri Lanka), Last-Mile Hazard Warning System (Sarvodaya, Sri Lanka)

Spot On Solutions (Private) Limited (www.spotonsolutions.net), Sri Lanka, (Apr. 2006 – now)

- *Company Director* - Current customer implementations: General Woodcraft (Private) Limited, Sri Lanka

Community Focused Disaster Response (www.cfdrkomari.com), Sri Lanka, (Jan. 2005 – April 2005)

- *Founding Member* - Komari 2004 Tsunami Disaster Recovery Projects -- education, health, water, sanitation, ICT, security
- *Operations Research/Business Analysis* - Risk Management Program, Information Communication Technology Program, Water and Sanitation Program (Komari, Ampara District, Sri Lanka)

Infocraft Limited (www.infocraft.lk), Sri Lanka, (Aug. 2002 – Jan. 2005)

- *Management* - IT infrastructure technical assistance and consultancy projects, IBM iSeries Business Partnership, IBM Software Reseller Partnership, Web engineering and encoding division, Software Products Engineering and Encoding Division
- *Operations Research/Business Analysis* - Business continuity and disaster recovery program (Hayleys Group of Companies, Sri Lanka), Sales force automation system (Suryawahini, Sri Lanka), Check imaging and clearing system (Lanka Clear, Sri Lanka), Regional Telecommunication Network (ICTA, Sri Lanka), Coconut charcoal activation process simulation (Haycarb Limited, Sri Lanka), Algorithm for Resource Planning and Simulating (Haycarb Limited, Sri Lanka), Corporate Enterprise Resource Planning (Hayleys Limited, Sri Lanka)
- *Software Engineering* - Enterprise Resource Planning Integrated Computer System (Haycarb, Sri Lanka), Project Daily Journal to forecast resource allocation and project profitability (Infocraft, Sri Lanka)

Sri Lanka Institute of Information Technology (www.sliit.lk), Sri Lanka, (Dec. 2001 – July 2002)

- *Business Analysis* - IT master plan (Haycarb Limited, Sri Lanka)

American Psyche Systems (APS) Healthcare (www.apshealthcare.com), U.S.A, (May 2000 - Nov. 2001)

- *Software Engineering* - Behavioral health manage care Information Reporting Integrated System, Clinical Care Management information System, Credentialing software application, HIPAA transaction database interfaces

Department of Mathematical Sciences (www.math.umt.edu), University of Montana, U.S.A. (Sept. 1999 - May 2000)

- *Part-time Instructor* - Topics in Operations Research

Assistant Operations Manager Montana World Trade Center (www.mwtc.umt.edu), U.S.A, (May 1998 - Dec. 1998)

- *Application and Analyst Programmer* - Educational programs MIS, South American and European trade MIS.

PUBLICATIONS & PRESENTATIONS

Proceeding:

- N. Waidyanatha (2007 December). Last-Mile Hazard Warning System in Sri Lanka: Performance of the ICT First Responder Training Regime, *Proceedings CPRsouth2 Conference, Chennai, India*. (In Press)
- N. Waidyanatha, S. Ranagarajan, G. Gow, P. Anderson (2007 December). Last-Mile Hazard Warning System in Sri Lanka: Performance of the WorldSpace Addressable Radios for Emergency Alerts, *Proceedings 10th International Wireless Personal Multimedia Communications, Jaipur, India*. (In Press)
- N. Waidyanatha, D. Dias, H. Purasinghe (2007 December). Challenges of Optimizing Common Alerting Protocol for SMS based GSM devices in Last-Mile Hazard Warning System in Sri Lanka, *Proceedings 19th Meeting of the Wireless World Research Forum, Chennai, India* (In Press)
- N. Waidyanatha, G. Gow, P. Anderson (2007 October). Community-based Hazard Warnings in Rural Sri Lanka: Performance of Alerting and Notification in a Last-Mile Message Relay, *Proceedings IEEE 1st International WRECOM2007 Conference and Exhibition, Rome, Italy*. (Published)
- N. Waidyanatha, G. Gow, P. Anderson (2007 August). "Common Alerting Protocol Message Broker for Last-Mile Hazard Warnings in Sri Lanka: An Essential Component". *Proceedings of the 2nd International ISCRAM Workshop, Harbin, China* (B. Van de Walle, X. Li, and S. Zhang, eds.), Pages 59 - 65
- N. Waidyanatha, G. Gow, P. Anderson (May 2007). Hazard Warnings in Sri Lanka: Challenges of Internetworking with Common Alerting Protocol, *Proceedings ISCRAM2007* (B. Van de Walle, P. Burghardt, and C. Nieuwenhuis, eds.), Pages 281-293. Paper can be found here --
http://www.iscram.org/dmdocuments/ISCRAM2007/Proceedings/Pages_281_293_40DSM_07_A_Hazard.pdf
- N. Waidyanatha (working paper) Module approach to selecting reliable resources for process-manufacturing in fluctuating market trends, University of Kelaniya, Sri Lanka
- N. Waidyanatha (1999 April). Circuit covering of representable matroids, *Proceedings Montana Science Foundation, Butte, U.S.A*
- N. Waidyanatha (1999 November) Circuit double covers of matroids in irrigation works, *Proceedings Colloquium University of Montana, Missoula, U.S.A*

White papers:

- FIPA contract net protocol agent based system for engineering BPM, Spot On Solutions, Sri Lanka
- A fuzzy inference methodology for selecting reliable resources in shop floor domains, InfoCraft Limited, Sri Lanka, March 2004
- Production system knowledge base implementation in Simple Hierarchical Ordered Planer 2, InfoCraft Limited, Sri Lanka, May 2003
- Initiating e-Transformation by first owning an effective website, Hayleys Limited, Sri Lanka, January 2003

Presentations:

- Hazard Warnings in Sri Lanka: Challenges of Internetworking with Common Alerting Protocol, 4th International ISCRAM Conference, Delft, Netherlands, May 2007
- Last-Mile Hazard Warnings System in Sri Lanka" and "Challenges of Implementing the Common Alerting Protocol in Sri Lanka, International Telecommunications Union, League of Arab Nations, Alexandria, Egypt, April 2007
- Last-Mile Hazard Warning Dissemination: A Research Project, International Federation of Red Cross and Red Crescent Societies Technical Meeting on Emergency Communications, Sri Lanka Red Cross Society, Colombo, Sri Lanka, December 2006
- Contribution of Sarvodaya towards Coastal Communities Resilience: Common Alerting Protocol Message Relay, Coastal Community Resilience Institute, USAID, Colombo, Sri Lanka, October 2006
- Common Alerting Message Relay: Sarvodaya Hazard Information Hub, Using ICTs for effective Disaster Management Forum, Commonwealth telecommunications Organization, Ahunglle, Sri Lanka, June 2006
- Presentation - "Last-Mile Hazard Warning System Sarvodaya/LIRNEasia Project", ITU-TRC Workshop on Emergency Telecommunications for Disaster, Colombo, Sri Lanka, March 2006

TECHNICAL EXPERIENCES

<i>Operating Systems:</i>	Windows, Mac OS, VAX/VMS, MS DOS, Linux, Unix, OS400, iOS
<i>Programming Languages:</i>	Fortran, Paradox, Pascal, C, C++, C#, VB, Java, MS SQL, MySQL, Oracle, DB2, LISP
<i>Developer Tools:</i>	MS Visual Studio .NET, Visual Studio 6.0, Oracle Developer 2000, J2SE, JADE 1.0, LispWorks 4.2, SQL Enterprise, Oracle 8.0, Extend 6.0, Paradox 7.0
<i>Processors:</i>	Intel x86, Motorola 6800, SPARC
<i>Technologies:</i>	.NET, FIPA, PKI X509, Wi-Fi, TCP/IP
<i>Open Source:</i>	SHOP, JADE, Mono, GanttProject