

THIRIMADURA NANDIKA KASUN DE ZOYSA

(T. N. K. DE ZOYSA)

CURRICULUM VITAE

(December 2002)

Personal:

Date of birth : 15th December, 1971

Citizenship : Sri Lankan

Civil Status : Married

Addresses:

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"Warrnagiri", Wallamadda, Kuleegoda, Sri Lanka Phone : (94-9-) 57164	93B, Tissa Mawatha, Borupana Road, Ratmalana, Sri Lanka. Phone : (94-1-) 625291	Department of Communication and Media Technologies, University of Colombo School of Computing, 35, Reid Avenue, Colombo 7, Sri Lanka Phone: (94-1-) 589123 Fax: (94-1-) 587239 E-mail: kasun@cmb.ac.lk
	Sibeliussgängen 20 B - 12tr SE-164 77, Kista, Sweden. Phone : (46-73-) 7352208	Department of Computer and System Sciences (DSV), Stockholm University/KTH, Forum 100, SE-164 40, Kista, Sweden Phone: (46-8-)161697 Fax: (46-8-)7039025 E-mail: kasun@dsv.su.se
	1301, N Troy Street, Apt 8, Arlington, VA, 22201- 2521, USA	Cyberspace Security Policy and Research Institute, School of Engineering and Applied Sciences, George Washington University 2033 K Street, N.W., Suite 340 Washington, DC 20006, USA. Phone:(1-202)9945510 Fax:(1-202)9945505

Academic:

- Obtained the degree of **Licentiate of Philosophy in Computer and System Sciences**, 1999-2000.
Medium: English
Dept. of Computer and System Sciences, Stockholm University, Sweden, on 15th of December 2000
Title of the Thesis: *The Concept of a Secure WWW System Based on Smart Cards and Certification Technologies*
- Obtained the B.Sc. Special Degree in Computer Science (**FIRST CLASS HONOURS**), 1993-1997.
Medium: English
Faculty of Science, University of Colombo, Sri Lanka, December, 1997
(Research project titled "Network Friendly Search Engine For the Internet" was submitted as a partial requirement of the special degree program. This is considered as a double unit for the fourth year course units.)

University Academic Career:

- Research Scientist, Cyberspace Security Policy and Research Institute, School of Engineering and Applied Sciences, George Washington University, US since November, 2002
- Ph.D. Student, Department of Computer and System Sciences, Stockholm University, Sweden since January, 1999
- Lecturer, Department of Communication and Media Technologies, University of Colombo School of Computing, University of Colombo, Sri Lanka since September, 2002
- Lecturer, Department of Computer Science, University of Colombo, Sri Lanka from January, 1999 to August, 2002
- Assistant Lecturer, Department of Statistics and Computer Science, University of Colombo, Sri Lanka from November, 1998 to December, 1998
- Visiting Lecturer, Open University, Sri Lanka in 1998

Teaching:

- Java Security
BSc and MSc degree Course, Stockholm University/Royal Institute of Technology, Stockholm, Sweden
- Information Theory, Coding and Cryptography
BSc (Special) degree in Computer Science course, University of Colombo, Colombo, Sri Lanka

- BSc (Special) degree in Computer Science is a 4 year, British Computer Society (BCS) accredited course*
- Computer fundamentals
- BSc (General) degree course, University of Colombo, Sri Lanka*
- Computer Architecture
- BSc (General) degree course, Open University, Colombo, Sri Lanka*

Project Supervision:

- Supervision of numerous final year undergraduate individual projects, Department of Computer Science, University of Colombo, Colombo, Sri Lanka
- Supervision of numerous MSc projects, Department of Computer and System Sciences, Stockholm University/Royal Institute of Technology, Stockholm, Sweden
- Supervision of numerous Research projects, Cyberspace Security Policy and Research Institute, School of Engineering and Applied Sciences, George Washington University, Washington DC, US

Publications:

International Conferences:

- "Bi-directional Web Document Protection System for Serious E-commerce Applications", Kasun De Zoysa, Sead Muftic, Workshop on Trusted Computing Paradigms, International Conference on Parallel Processing 2002, Vancouver, British Columbia, Canada, August 18-21, 2002
- "Electronic Signatures and Certification Authorities" – Essential technological measures to minimize legal barriers to Electronic Transactions, Jayantha Fernando, Kasun De Zoysa, 20th National IT Conference, Colombo, Sri Lanka, 2001
- Web based Multi-Application Smart Card Security System, Kasun De Zoysa, Sead Muftic, International IT Conference (IITC'00), Colombo, Sri Lanka, January 17-19, 2001
- Comprehensive Security System for World Wide Web (WWW) based on Smart Cards Technologies, Kasun De Zoysa, Workshop on Emerging Issues in Computer and Systems Sciences, Stockholm, Sweden, September 29 - 30, 2000
- WWW System for Secure Electronic Transaction, Sead Muftic, Kasun De Zoysa, International IT Conference (IITC'99), Colombo, Sri Lanka, 1999
- Network Friendly Search Engine For the Internet, Kasun De Zoysa, Ruvan Werasinghe, Multi Disciplinary International Conference on the Occasion of 50th Anniversary of Independence of Sri Lanka held at University of Peradeniya, Sri Lanka, 1998

Science Journals:

- Articles written on various topics related to "modern science and technology" were frequently published in "Vidusara" Science Journal in Sri Lanka during the period 1990-1996.

Attended Conferences and Workshops:

- International IT Conference (IITC'02), Colombo, Sri Lanka, October 5-7, 2002
- International Conference on Parallel Processing 2002, Vancouver, British Columbia, Canada, August 18-21, 2002
- Public Key Cryptography 2002 (PKC 2002), Maison de la chimie, Paris, France, February 12-14, 2002
- 28th Annual Computer Security Conference of Computer Security Institute, Washington, D.C. USA, October 29-31, 2001
- International IT Conference (IITC'00), Colombo, Sri Lanka, January 17-19, 2001
- Workshop on Emerging Issues in Computer and Systems Sciences, September 29 - 30, 2000
- European Intensive Program on Information and Communication Technologies Security, IPICS99, Chios, Greece, August 1999
- International IT Conference (IITC'99), Colombo, Sri Lanka, 1999
- Conference EMMSEC '99 Business and Work in the Information Society June 21-23, 1999, Stockholm, Sweden

Researches:

- Doing my Ph.D. research in the area of Electronic Commerce Security under supervision of Prof. Sead Muftic, Director, Security Laboratory, Department of Computer and System Sciences, Stockholm University.
- I have started a research project titled "Capacity and Topology Planning for Lanka Educational & Research Network (LEARN) through Computer Simulation & Modeling" under supervision of Dr. Nalin Ranasinghe, senior lecture of Department of Statistics and Computer Science, University of Colombo.

Awards:

Best Undergraduate Award for Computer Science 1998

Awarded by the Sri Lanka Association for the Advancement of Science as the best computer science project in Sri Lanka.

Professor Mohan Munasinghe Award

"*Professor Mohan Munasinghe Award*" was awarded as the best computer science student of the 1991/92 batch.

Studentship Award

Awarded the "*Studentship Award*" for my result at the first year examination held in 1994 and was continuously awarded to me until I finished my special Degree in 1997.

Extra Curricular Activities:

International Competitions

- SEARCC (South East Asian Regional Computer Confederation) 95, International Micro Mouse Competition for Under Graduates, held at Colombo, -1995, Represent : University of Colombo
- SEARCC 96, International Micro Mouse Competition for Under Graduates, held at Bangkok, Thailand, - 1996, Represent: Sri Lanka, Place: Third Place.

University Societies

- President, Computer Science Association, University of Colombo, Was instrumental in reorganizing the Computer Science Association of the University of Colombo after its silence for almost a decade from 1986-1996 and my office following activities were organized.
 - Monthly public lecture series on computer related topics, which are of high demand among the university folk.
 - Internet workshop for the benefits of the students of the science faculty.
 - Initiated a special program "Help Desk Facility" to discuss computer related problems faced by the university community.
 - Start to develop the University of Colombo Web site.

Employment Record:

- Working as a Research Scientist, Cyberspace Security Policy and Research Institute, School of Engineering and Applied Sciences, George Washington University, US since November, 2002

- Working as a Ph.D. Student at the Department of Computer and System Sciences, Stockholm University, Sweden since January,1999
- Working as a Lecturer at the Department of Communication and Media Technologies, University of Colombo School of Computing, University of Colombo, Sri Lanka since September, 2002
- Worked as a Lecturer at the Department of Computer Science, University of Colombo, Sri Lanka from January,1999 to August, 2002
- Worked as an Assistant Lecturer at the Department of Statistics and Computer Science, University of Colombo, Sri Lanka from November 1998 to December 1998
- Worked as a Visiting Lecturer at Open University, Sri Lanka in 1998
- Worked as System Analysts at the Department of Statistics and Computer Science, University of Colombo, Sri Lanka from January 1998 to September 1998
- Working as freelance journalist since 1992
- Worked as volunteer Lab Technician at Dharmasoka College, Ambalangoda, Sri Lanka from 1991 to 1993

Experience in Computer Networks:

- Worked as Administrator of General Lab, contains 24 PCs and Novel file Server.
- Worked as Administrator of Workstation Lab, contains Suns, Dec-Alpha and Silicon Graphics machines.
- Administrated and maintained the Network Operation Room, contains Web servers, DNS servers, e-mail servers and dialup servers.
- Administrated and maintained the NT Lab, contains 30 PCs and NT server.