



Department of Statistics & Computer Science Faculty of Science / University of Peradeniya



Prof. Saluka R. Kodituwakku

B.Sc. (Perad.), M.Sc. (AIT, Thailand), Ph.D. (RMIT, Australia)

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About Me

Currently the Director of the National Institute of Fundamental Studies (NIFS). Served as the Dean, Faculty of Science from April 2016 to April 2022. I am the chair professor of Statistics and Computer Science, the Faculty of Science, University of Peradeniya, Sri Lanka. Graduated from the University of Peradeniya obtaining B.Sc. Special Degree in Mathematics in 1992 and joined the University in 1993 as a Probationary Lecturer. Proceeded to AIT, Thailand for reading a M.Sc. in Computer Science and later completed the Ph.D. in 2004 at RMIT University, Australia. Promoted to the Grade of Senior Lecturer in 2004 and Professor of Computer Science in 2013. My areas of expertise are in the fields of Software Engineering and Database Management.

Higher Education Qualifications

🎓 **PhD**

RMIT University, Melbourne -
Australia
(1999)

🎓 **MSc**

Asian Institute of Technology (AIT),
Bangkok - Thailand
(1995)

🎓 **BSc**

University of Peradeniya - Sri Lanka
(1986)

Awards, Scholarships, Memberships & Fellowships



RMIT Computer Science Postgraduate Scholarship awarded by the Department of Computer Science



AIT postgraduate scholarship awarded by the Japanese Government









Nature's Secrets Research Award for Best Commercially Viable Research Project 2012

Positions Held

-  Director/National Institute of Fundamental Studies(NIFS)- (May 2022 - to date)
-  Member- (Board of Governors, NIFS, May 2022 - to date)
-  Chairman- (Research Council, NIFS, May 2022 - to date)
-  Dean/ Faculty of Science and ChairProfessor of Statistics and Computer Science- (April 2016 – April 2022)
-  Director/ Information Technology Center, University of Peradeniya- (April 2014 – April 2016)
-  Member, Council, University of Peradeniya- (August 2015 – April 2022)
-  Acting Director, PGIS, University of Peradeniya- (July 2017 - January 2018)
-  Head/ Department of Statistics & ComputerScience, University of Peradeniya- (Mar 2006 – Feb 2013 and Mar 2015 - Apr 2016)
-  Co-Chairman, International Symposium on Transport Phenomena (ISTP28) - 2017, Faculty of Engineering, University of Peradeniya, Sri Lanka
-  Vice Chairman, Staff Residential Committee, University of Peradeniya, Sri Lanka- (2016 – August 2018)
-  Chairman, Board of Study in Statistics and Computer Science, Post Graduate Institute of Science , University of Peradeniya, Sri Lanka- (September 2008 – April 2016)
-  Chairman, Board of Study in Science, Center for Distance and Continuing Education, University of Peradeniya, Sri Lanka- (September 2008 – April 2016)
-  Secretary, Board of Study in Statistics and Computer Science, Post Graduate Institute of Science , University of Peradeniya, Sri Lanka- (2005 - 2008)
-  Secretary of the local organizing Committee: International Statistical Conference, PGIS, The University of Peradeniya- (November 2004)
-  Congress Chairman, PGIS Research Congress 2014, Post Graduate Institute of Science , University of Peradeniya, Sri Lanka- (2014)
-  Secretary of the local organizing Committee: International Statistical Conference, PGIS, The University of Peradeniya- (November 2004)
-  Senior treasurer, Computer Society, University of Peradeniya, Sri Lanka- (2004 - 2010)
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My Teachings

-  CS404: Parallel Processing
-  CS406: Foundations of Distributed Systems
-  CS413: Programming Techniques
-  CS531: Database Management Systems
-  CS546: Software Engineering
-  IT501: Introduction to Programming

Research Interests (Research Fields/ Projects)

- Software Engineering
- Database Systems
- Image Processing
- Distributed Systems

Ongoing Research and Projects



Design and Analysis of Algorithms For Convex Partitioning of Polygons

Team members Mr. K. R. Wijeweera, Prof. S. R. Kodituwakku, Prof. Vaclav Skala

The main objectives of this research are to improve existing algorithms and investigate novel algorithms for the problem of convex partitioning of polygons. Speed of algorithms, parallelism, probabilistic geometry, simplicity, and modern environment are considered in this research.



Role of Key Performance Indicators in Evaluating the Performance of Institutes Working on Research and Development in the Food and Agriculture Sectors in Sri Lanka

Mr. Prabath Chaminda Abeywardana^{1, 2}, Senior Professor Udith K. Jayasinghe-Mudalige¹, Senior Professor Saluka R. Kodituwakku^{3, 4}, Senior Professor Gamini Seneviratne⁴, Ms. K.B. Madhushani² 1. Wayamba University of Sri Lanka 2. State Ministry of Education 3. University of Peradeniya 4. National Institute of Fundamental Studies

Key Publications



Nothing to show under this subheading !!!

Conferences



Nothing to show under this subheading !!!

My Publications

Please goto the website.

<https://sci.pdn.ac.lk/scs/staff/Saluka-Kodituwakku>