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



Dr. Hakim A. Usoof

B.Sc. (Perad.), Ph.D. (Umea, Sweden)

Head of the Department / Senior Lecturer

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About Me

University of Peradeniya in 2003, he joined the same University as a temporary lecturer the same year. He served fifteen years at the University of Colombo School of Computing before returning to The University of Peradeniya in 2019. He is a senior lecturer in Computer Science in the Dept. of Statistics & Computer Science. He received a scholarship from SIDA/SPIDER through the National eLearning Centre Project in 2007 to read for his PhD. In 2012 he was awarded his PhD by Umeå University, Sweden, in Technology and Education. He spent his Sabbatical as a Researcher at the University of Turku in Finland from Feb 2020 – December 2020, working with the GenoGaphiX-LOG project, where he currently holds equal intellectual property rights. His areas of research interest include Human-Computer Interaction, Education Technology, Human-Data interaction, Data visualization and Digital-Humanities. He has supervised many postgraduate research students at the University of Colombo, Queensland University of Technology and the University of Peradeniya.

Higher Education Qualifications

PhD

Umeå University
Sweden
(2012)

BSc

University of Peradeniya
Sri Lanka
(2003)

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Awards, Scholarships, Memberships & Fellowships

- Sri Lanka Association for the Advancement of Science Computer Science (E3) Section
- President, IEEE Computer Society, Sri Lanka Chapter
- Founding Member of ACM SIGCHI Group of Sri Lanka
- Excellence in Teaching (2019)

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Positions Held

- Senior Treasurer, Computer Society, University of Peradeniya- (2022-2023)
- Technical Evaluation Committee- (2021-2023)
- President, IEEE Computer Society Sri Lanka Chapter- (2017-2021)
- Bachelor of Information Systems Degree Programme Coordinator (UCSC) - (Feb 2016 to Jan 2018)
- Senior Treasurer Computer Society, University of Colombo- (2014 to 2018)
- Student Counsellor of University of Colombo School of Computing - (from 2013-2015)

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My Teachings

- CS307: Computer Graphics
- CS312: Human Computer Introduction Design
- CS421: Project in Computer Science [Supervision]
- CS423: Seminar
- CSC1013: Introduction to Computer Science & Programming
- CSC1051: Programming Laboratory II
- DSC3163: Advanced Database Management Systems
- IT420: Computer Application Fundamentals
- IT506: IT Applications
- IT520: Computer Graphics
- SCS539: Advanced Topics in Computer Graphics

Research Interests (Research Fields/ Projects)

Primary Research focus:

- Human Computer Interaction and User Experience consideration in Digital Didactical Design (Focused on multi-touch devices and intuitive interface design through Participatory Design)
- Keystroke Logging of the process of computer programming in developing a pedagogy to support the learning of computer programming
- Data Visualisation

Other Interests:

- ICT Enabled education and the study of Education related affordances of technology.
- Tablet based games for Education (Focused on Primary school mathematics, first language learning and ICT4D)
- Humanizing Data, Data Visualization and Data Interaction of Digital Writing data for Revision and Cognitive studies

Ongoing Research and Projects

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Human-Computer Interaction in Digital Didactical Design

GenoGraphiX-LOG

Humanising, Data Visualisation and Information Interaction of Digital writing data for cognitive and process analysis.

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Key Publications

International Journal of Child-Computer Interaction - (2019)

What they can and cannot: A meta-analysis of research on touch and multi-touch gestures by two to seven-year-olds

Personal and Ubiquitous Computing journal - (2018)

Gamification for Development: A Case of Collaborative Learning in Sri Lankan Primary Schools

Conferences

21st International Conference on Interactive Collaborative Learning – ICL2018

HELD AT : Kos, Greece - (2018)

16th IFIP TC.13 International Conference on Human-Computer Interaction - INTERACT 2017

HELD AT : Mumbai - (2017)

The 9th Nordic Conference on Human-Computer Interaction - NordiCHI'16

HELD AT : Gothenburg, Sweden - (2016)

The International Journal on Advances in ICT for Emerging Regions - ICTer2016

HELD AT : Negombo, Sri Lanka - (2016)

International Conference on Interactive Mobile Communication, Technologies and Learning - ICML2019

HELD AT : Thessaloniki, Greece - (2019)

My Publications

Please goto the website.

https://sci.pdn.ac.lk/scs/staff/Hakim-Usoof

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