

# Pasan Manuranga Edirisinghe

## **CONTACT INFORMATION**

Department of Mathematics,  
University of Moratuwa,  
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## **EDUCATION**

- 2009 – 2015      **PhD in Mathematics, (emphasis in Statistics)**  
Missouri University of Science & Technology  
Thesis: *Small Sample Saddlepoint Confidence Intervals in Epidemiology*  
Supervisor: Dr. Robert L. Paige
- 2007 – 2009      **Post Graduate Diploma, Applied Statistics**  
University of Colombo, Sri Lanka
- 2001 – 2005      **Bachelor of Science, Computational, Business and Financial Mathematics**  
University of Colombo, Sri Lanka

## **TEACHING EXPERIENCE**

- 2022 (Nov) – Present      **Senior Lecturer (Grade I)**  
**University of Moratuwa, Sri Lanka**
- 2016 (Nov) – 2022 (Nov)      **Senior Lecturer (Grade II)**  
**University of Moratuwa, Sri Lanka**
- 2020 (Oct) – Present      **Coordinator – MSc/PG Dip. In Operational Research**  
**University of Moratuwa, Sri Lanka**
- 2016 (Jan-May)      **Lecturer**  
**Missouri University of Science & Technology**
- 2009 – 2015      **Graduate Teaching Assistant,**  
**Missouri University of Science & Technology**
- 2012 – 2015      **Helped Dr. V. A. Samaranayake for the Science Education and Quantitative Literacy (SEQL) Workshop as a graduate student**
- 2008 – 2009      **Assistant Lecturer,**  
**Sri Lanka Institute of Information Technology**
- 2005 – 2007      **Instructor,**  
**University of Colombo, Sri Lanka**

## **TEACHING AT UOM**

Time Series and Stochastic Processes, Neural Networks and Fuzzy Logic  
Design and Analysis of Experiments, Operational Research  
Linear Models, Multi-variable Calculus

## RESEARCH AT UOM

RN Liyanage, A Thibbotuwawa, PM Edirisinghe. (2022) A Capacitated Vehicle Routing Problem Model for Stationery Industry, *2022 Moratuwa Engineering Research Conference (MERCon)*, 1-6

I Ilankoon, NP Dushyantha, N Mancheri, PM Edirisinghe *et al.* (2021) Constraints to rare earth elements supply diversification: Evidence from an industry survey  
*Journal of Cleaner Production* 331, 129932

ML Guruge, PM Edirisinghe. (2021) Relationship between Refractive Index and Compositions of Building Windows Non Float Processed Glasses  
*SLIIT INTERNATIONAL CONFERENCE ON ADVANCEMENTS IN SCIENCES & HUMANITIES*, 617-624

JP Weerasingha, YM Bandara & PM Edirisinghe (2021) Determining the invoicing dates for raw material order and finish product dispatch using neural networks under exchange rate volatility, *International Journal of Logistics Research and Applications*,  
DOI: 10.1080/13675567.2021.1945018

P.M. Edirisinghe, T. Mathew, T.S.G. Peiris. (2020) Confidence limits for compliance testing using mixed acceptance criteria. *Quality Reliability Engineering International*. 2020; 36: 1197-1204

## CONFERENCE TALKS

*Confidence Intervals for Ratio of Two Poisson Random Variables* IASSL International Conference December 2017  
*Small Sample Saddlepoint Confidence Intervals for Directly Standardized Rates*  
Joint Statistical Meeting (JSM August 2014)

## ATTENDED MEETINGS

Successful Data Mining In Practice, A 2013 ASA Council of Chapters Traveling Course October 19, 2013

## ONLINE COURSES (2023)

Successfully completed and received a passing grade in PH125.8x: Data Science: Machine Learning, a course of study offered by HarvardX, an online learning initiative of Harvard University.  
Successfully completed and received a passing grade in DS102X:Machine Learning for Data Science and Analytics, a course of study offered by ColumbiaX, an online learning initiative of Columbia University.

## PROFESSIONAL MEMBERSHIPS

2017 – Present  
2014 – 2015  
2009 – 2015

**Member**, Institute of Applied Statistics Sri Lanka  
**Member**, American Statistical Association  
**Member**, American Mathematical Society

## AWARDS 2013

**Merit Honorable Mention**, Graduate Teaching Assistant

## REFERENCES

Dr. Robert L. Paige (Research Supervisor)  
307 Rolla Building  
Missouri University of Science and Technology, Rolla, MO 65409  
(573) 341-4907 paigero@mst.edu

Dr. V. A. Samaranayake  
302 Rolla Building  
Missouri University of Science and Technology, Rolla, MO 65409  
(573) 341-4658 vsam@mst.edu