

International Statistics Conference 2024

28 - 29 December, 2024

@ Cinnamon Lakeside Colombo, Sri Lanka



Invited Talks



Table of Contents

- Invited Group Session 2

Prof. Joan Hu

- Invited Talk Session 1

Prof. Naiming Xi

Prof. Vasil Hnatyshin

- Invited Talk Session 2

Associate Prof. Ng Kok Haur

Dr. Rashmi Bomiriya

- Invited Talk Session 3

Prof. Shelton Peiris

Prof. Boxin Tang

- Invited Talk Session 4

Prof. Bala Rajaratnam

Prof. Tommaso Proietti

Prof. Amita Manatunga

Prof. Matthew Schneider

- Invited Talk Session 5

Dr. Rohan Maheswaran

Prof. Umarshankar Thayasivam

Prof. A. Thavaneswaran

Dr. Sanjaya Dissanayake

- Invited Talk Session 6

Prof. Saman Muthukumarana

Prof. Joan Hu

Simon Fraser University, Canada

- Day: Day 1
- Time: 2.30 pm to 3.00 pm
- Venue: BR Goodies Meeting Room
- Session number: Invited Group Session 2



Abstract title:

Challenges and strategies in learning from large administrative health data

Prof. Naiming Xie

Nanjing University of Aeronautics
and Astronautics, China

- Day: Day 2
- Time: 10.10 am to 10.40 am
- Venue: Kings Court
- Session number: Invited Talk Session 1



Abstract title:

Understanding of grey information and grey system modelling

Prof. Vasil Hnatyshin

Rowan University, USA.

- Day: Day 1
- Time: 2.30 pm to 3.00 pm
- Venue: Dukes Court 2
- Session number: Invited Group Session 4



Abstract title:

Automated extraction of acronym expansion pairs in scientific literature

Associate Prof. Ng Kok Haur

Institute of Mathematical Sciences,

University of Malaysia, Malaysia

- Day: Day 2
- Time: 9.40 am to 10.10 am
- Venue: Goodies Meeting Room 1
- Session number: Invited Talk Session 2



Abstract title:

Forecasting trade durations using logarithmic component ACD model with extended generalised inverse gaussian distribution: A comparative study with an application

Dr. Rashmi Bomiriya

R S Metrics Asia Holdings, Colombo



- Day: Day 2
- Time: 10.10 am to 10.40 am
- Venue: Goodies Meeting Room 1
- Session number: Invited Talk Session 2

Abstract title:

Unveiling Environmental Risks: A Statistical and Geospatial Perspective

Prof. Shelton Peiris

University of Sydney, Australia.



- Day: Day 2
- Time: 9.40 am to 10.10 am
- Venue: Dukes Court 2
- Session number: Invited Talk Session 3

Abstract title:

Recent contributions to long memory time series analysis and applications: An overview

Prof. Boxin Tang

Simon Fraser University, Canada



- Day: Day 2
- Time: 10.10 am to 10.40 am
- Venue: Dukes Court 2
- Session number: Invited Talk Session 3

Abstract title:

Compromise designs under baseline parameterization

(View abstract)

Prof. Bala Rajaratnam

University of California, Davis , USA



- Day: Day 2
- Time: 11.00 am to 11.30 am
- Venue: Kings Court
- Session number: Invited Talk Session 4

Abstract title:

Scalable and non-iterative graphical model estimation

(View abstract)

Prof. Tommaso Proietti

University of Rome "Tor Vergata", Italy



- Day: Day 2
- Time: 11.30 am to 12.00 pm
- Venue: Kings Court
- Session number: Invited Talk Session 4

Abstract title:

Ups and (Draw)Downs

(View abstract)

Prof. Amita Manatunga

Emory University, Atlanta, USA



- Day: Day 2
- Time: 12.00 pm to 12.30 pm
- Venue: Kings Court
- Session number: Invited Talk Session 4

Abstract title:

Statistical methods for predicting outcomes based on images and other covariate information

(View abstract)

Prof. Matthew Schneider

Drexel University, USA

- Day: Day 2
- Time: 12.30 pm to 1.00 pm
- Venue: Kings Court
- Session number: Invited Talk Session 4



Abstract title:

Can we protect time series data while maintaining accurate forecasts?

(View abstract)

Dr. Rohan Maheswaran

Wagga Wagga Agricultural Research

Institute, Australia.

- Day: Day 2
- Time: 11.00 am to 11.30 pm
- Venue: Dukes Court 2



Session number: Invited Talk Session 5

Abstract title:

Analytical form of influence functions for statistics.

(View abstract)

Prof. Umarshankar Thayasivam
Rowan University, USA.



- Day: Day 2
- Time: 11.30 am to 12.00 pm
- Venue: Dukes Court 2

Session number: Invited Talk Session 5

Abstract title:

Predicting Multilingual Student Performance with Llama 3

(View abstract)

Prof. A. Thavaneswaran
University of Manitoba, Canada.



- Day: Day 2
- Time: 12.00 pm to 12.30 pm
- Venue: Dukes Court 2

Session number: Invited Talk Session 5

Abstract title:

Dynamic data science applications in algorithmic trading.

(View abstract)

Dr. Sanjaya Dissanayake

Ministry of Health, NSW, Australia



- Day: Day 2
- Time: 12.30 pm to 1.00 pm
- Venue: Duke Court 2

Session number: Invited Talk Session 5

Abstract title:

Impact of environmental factors on two prominent diseases prevalent in New South Wales, Australia: A statistical assessment
(View abstract)

Prof. Saman Muthukumarana
University of Manitoba, Canada.



- Day: Day 2
- Time: 2.00 pm to 2.30 pm
- Venue: Kings Court

Session number: Invited Talk Session 6

Abstract title:

Bayesian state space models with ecological applications.

(View abstract)

