



Statistical Design and Analysis in Data Science

Thursday, 7 November 2019
Port Jackson Room, Novotel Sydney Central, Sydney
169-179 Thomas Street Sydney

Programme

9.15am Registration – 1st Floor Pre-Function Area

Session 1:

9.45am – 10.45 am: **Keynote speaker – Distinguished Professor Peter Diggle**, University of Lancaster: *Statistics: a data science for the 21st century.*

10.45am – 11.00am: **Morning Break – 1st Floor Pre-function area**

Session 2:

11.00am – 11.30am: **Speaker 1 - Distinguished Professor Noel Cressie**, University of Wollongong: *False Discovery Rates to Detect Signals from Incomplete, Spatially Aggregated Data.*

11.30am – 12.00pm: **Speaker 2 - Sezim Dzhumasheva**, Australian Bureau of Statistics: *Improving Census occupancy determination: the potential of administrative data for Census.*

12.00pm – 12.30pm: **Speaker 3 - Dr Ali Eshragh**, University of Newcastle: *Efficient Leverage Score-based Sampling for Analysis of Big Time Series Data.*

12.30pm – 1.30pm: **Lunch – Fieldhouse Restaurant**



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Session 3:

- 1.30pm – 2.00pm: **Speaker 4 - Johnny Keane**, Vodafone: *Advanced Analytics in Telco.*
- 2.00pm – 2.30pm: **Speaker 5 - Dr Ian Renner**, University of Newcastle: *How to get the best out of your data with species distribution modelling.*
- 2.30pm – 3.00pm: **Speaker 6 - Summer Wang**, Australian Bureau of Statistics: *Using Predicted Response Propensities with the Random Forests Method to Direct a Responsive Intensive Follow-up Strategy.*
- 3.00pm – 3.30pm: **Afternoon Break – 1st Floor Pre-function area**

Session 4:

- 3.30pm – 4.00pm: **Speaker 7 - Dr Virginia Wheway**, Theiss: *How does Data Science play out in Industry and what skills are we looking for?*
- 4.00pm – 4.30pm: **Speaker 8 - Dr Andrew Zammit-Mangion**, University of Wollongong: *Multi-Scale Process Modelling of Massive Spatial Datasets.*
- 4.30pm – 5.00pm: **Speaker 9 – Muhammad Shuaib Khan**, University of Newcastle: *Some structural properties of the Transmuted Weibull distribution for modelling survival data.*
- 5.00pm: **Finish**



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