



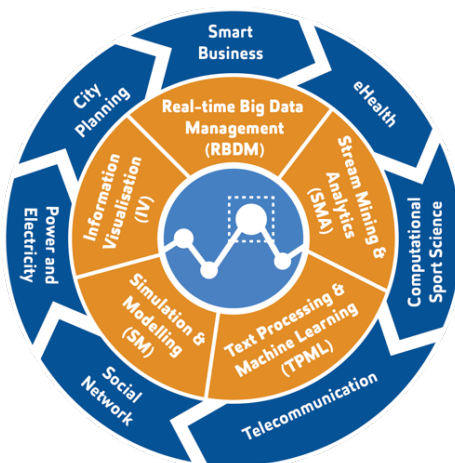
## AUT DATA SCIENCE RESEARCH GROUP

### 4<sup>th</sup> Data Science Research Group Workshop on Recent Developments in Data Science

Date: 21<sup>st</sup> Feb, 2018, Start time: 9:00am sharp  
Venue: WF303, AUT (City Campus)

#### WORKSHOP THEME

Data Science is an area of extensive research; as Industry demands requirements for real time data analysis of data streams that are produced with high speed, high data volume and in a variety of data formats. Terabytes, even petabytes of data are generated each day in diverse formats such as structured data, plain text data, imaging data, audio and video data. This *Workshop on Data Science* aims to provide a forum for presentation of the latest research results, new technology developments, and new applications in the areas of Data Analytics, Data Mining, Machine Learning, Stream Data Processing, and Data Warehousing. The workshop is for academics, students, and professionals working in data science, big data, data mining, machine learning, deep learning artificial intelligence, or predictive modelling.



DSRG research spectrum

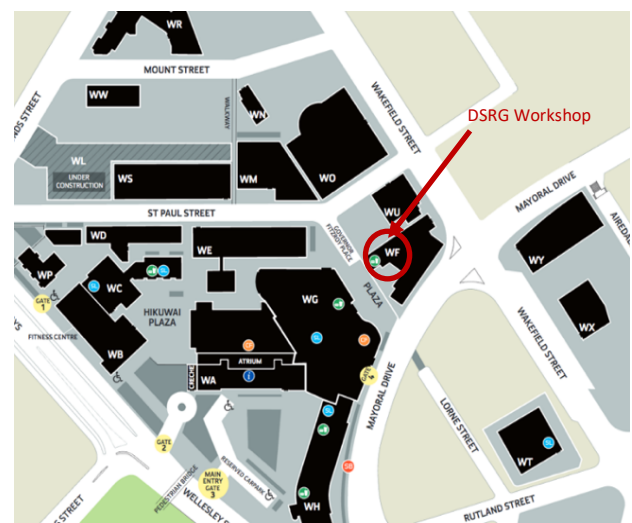
#### SPEAKERS

1. **Leila Etaati**, Senior Data Science Consultant, RADACAD
2. **Dion Sheppard**, Forensic Research & Development Programme Manager, ESR
3. **Shakeel Ahmed**, Food Scientist, iMonitor Ltd.
4. **Arturas Vedrickas**, VP Product Management, Teknique.
5. **Robin Hankin**, Senior Lecturer in Statistics, AUT
6. **Kate Lee**, Senior Lecturer in Statistics, AUT

#### RSVP

All are welcome. Please RSVP to Nawal Chanane [nawal.chanane@aut.ac.nz](mailto:nawal.chanane@aut.ac.nz) if you wish to attend.

#### MAP





## The Workshop Program

Time	Agenda item	Speaker
9:00 – 9:05	Welcome	Jairo Gutierrez
9:05 – 9: 20	Update on DSRG activities	Asif Naeem
9:20 – 9:40	Machine Learning with Microsoft tools	Leila Etaati
9:40 – 10:00	Data analytics and Forensic Science	Dion Sheppard
10:00 – 10:30	<b>Morning tea</b>	
10:30 – 10:50	Empowering machines to understand people using edge analytics	Arturas Vedrickas
10:50 – 11:10	IOT and Data Science - applications in Food Science	Shakeel Ahmed
11:10 – 11:30	Some statistical tools that I use	Kate Lee
11:30 – 11:50	Data reduction techniques applied to the online video game "counterstrike"	Robin Hankin
11:50 – 12:00	Personalized taste profiling in short text microblogs	Herman Wandabwa
12:00– 12:10	Incremental Fourier Classifier	Chamari Kithulgoda
12:10 – 12:20	IoT-based monitoring in Healthcare: case study of falls detection and management	Hoa Nguyen
12:20 – 12:30	Technology-driven approach for improving Medical Adherence	Nawal Chanane
12:30 – 12:35	Closing remarks	Russel Pears
12:35 – 1:15	<b>Lunch</b>	
1:15 – 2:00	Future plan for DSRG (members only)	Russel Pears

