The ethics of data science conference

Addressing the future use and misuse of our data

Hosted by the University of Sydney from 27–29 March 2019, this forum will bring together world-renowned experts to address the current crisis in confidence around algorithms.

Invited speakers
Professor Simon Jackman (USYD)
Professor Sofia Olhede (UCL)
Nicolas Hohn (QuantumBlack)
Professor Toby Walsh (UNSW)

Date and location
27–29 March 2019
F23 Administration Building
The University of Sydney

Contact
events.rsvp@sydney.edu.au

sydney.edu.au/data-science
Draft program

This program is a draft and it is current at the time of publishing. Further changes and updates will follow.

Wednesday 27 March 2019

4.30pm Registration (30 minutes)

5.05pm: Acknowledgment of Country, Bianca Williams, the University of Sydney

5.10pm: Opening | Opening remarks by Professor Sally Cripps, Director CTDS, The University of Sydney

5.20pm: Keynote speaker: Professor Sofia Olhede, University College London (40 minutes)

6pm: Welcome reception (1 hour)

Thursday 28 March 2019

8.30am: Registrations and arrival tea and coffee (30 minutes)

Chair: Dr Roman Marchant, The University of Sydney

9am: Keynote speaker: Keynote Speaker: TBC (40 minutes)

9.40am: Keynote speaker: Nicolas Hohn, Chief Data Scientist, Quantum Black Australia

10.20am: Coffee Break (30 minutes)

10.50am: Paper presentations session 1 (1 hour and 45 minutes)

12.05pm: Lunch (1 hour)

Chair: Professor Sally Cripps, the University of Sydney

1.05pm: Keynote: Studying humans in the age of machine learning: practical and ethical challenges. Professor Simon Jackman, the University of Sydney (40 minutes)

This talk will uncover the ethical issues that arise when large data sets and machine learning techniques are deployed in commercial and public sector settings.

1.45pm: Keynote speaker TBC

3.05pm: Coffee Break (30 minutes)

3.35pm: Paper presentations session 3 (1.5 hour)

5.05pm: End of day 1

Friday 29 March 2019

Chair: Professor Gerard Goggin, The University of Sydney (TBC)

9am: Keynote Speaker: TBC (40 minutes)

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10.20am: Coffee Break (30 minutes)

10.50am: Paper presentations session 4 (1.5 hour)

12.20pm: Lunch (1 hour)

Chair: Roman Marchant, Data Scientist, The University of Sydney

1.20pm: Keynote: AI and Ethics: Why all the fuss? Professor Toby Walsh, University of New South Wales (40 minutes)

Covering topics from autonomous vehicles to killer robots, Professor Walsh will discuss the new issues AI is bringing to the table, and the old issues that are resurfacing as a result.

2pm: Coffee break (30 minutes)

2.30pm: Workshops (2 hours)

− Workshop 1: Law and justice
− Workshop 2: Banking, finance, insurance and consumers
− Workshop 4: Health, genomics and family care
− Workshop 5: Autonomous systems, robotics and computer vision

4.30pm: Networking drinks (30 minutes)

5pm: End of symposium
Keynote speakers

Nicolas Hohn
Chief Data Scientist at QuantumBlack
Australia

Nicolas leads data science teams at McKinsey & Company and to extract actionable insights from data in a range of fields, including telecommunications, internet of things and financial services. His areas of expertise include: machine learning, analytics transformation, cybersecurity, streaming architecture and analytics infrastructure.

Professor Simon Jackman
CEO of the United States Studies Centre

Simon Jackman’s teaching and research centres on public opinion, election campaigns, political participation, and electoral systems. He is known for his work on poll averaging — combining polls over the course of an election campaign to produce better predictions of election outcomes.

Professor Sofia Olhede
Professor of Statistics, University College London

Sofia Olhede is director of the UCL Centre for Data Science and an honorary professor of computer science and a senior research associate of mathematics at University College London. She is the Royal Statistical Society Isaac Newton Institute correspondent and a member of the ICMS program committee.

Professor Toby Walsh
Scientia Professor of artificial intelligence at UNSW

Toby Walsh is a leading researcher in the field of artificial intelligence. He leads the Algorithmic Decision Theory group at Data61, Australia’s Centre of Excellence for ICT Research, and is guest professor at the Technical University of Berlin. He has been elected a fellow of the Australian Academy of Science, and has won the Humboldt research award as well as the NSW Premier’s Prize for Excellence in Engineering and ICT.