Ethics of Data Science Conference
25 – 27 March 2020
Draft program

Hosted by the University of Sydney, the international conference on the Ethics of Data Science brings together world-renowned experts from multiple disciplines to discuss the use and misuse of our data.

The conference is hosted by the Centre for Translational Data Science (CTDS) at the University of Sydney with partners from Gradient Institute, the Humanising Machine Intelligence group from Australian National University and QuantumBlack.

Our goal is to design ethical evidence based decision-making frameworks. This can only be achieved by understanding the morality, law and politics of data and artificial intelligence, drawing on world-class research in data science, law, philosophy and beyond. This conference is a unique opportunity to engage with the cutting edge of research in these fields, and to make progress on understanding the viability and legitimacy of algorithmic decision-making.

The conference aims to bring established global leaders in these fields together with the emerging talent that will define these debates for years to come. Key themes explored by our keynotes will include fairness, privacy, algorithmic regulation, and how we receive and process information in the age of AI.

Alongside a high-level program of cutting-edge research, the conference will provide a forum for two-way knowledge transfer between researchers and practitioners, 'masterclasses' in which leading Australian scholars in ethical questions related to AI will engage with leaders in government and industry to both pinpoint the central problems faced in the deployment of algorithmic systems, and identify the paths to solving those problems.

Location
Wednesday 25 March and Thursday 26 March

Doltone House, Darling Island Wharf
48 Pirrama Road, Pyrmont Point NSW 2009

Friday 27 March

Doltone House, Jones Bay Wharf
Level 3/26-32 Pirrama Rd, Pyrmont NSW 2009

sydney.edu.au/data-science

Ethics of Data Science Conference

Program

Wednesday 25 March

8.30am – 9.15am Registration

9.15am – 10.45am Master Class Philosophy:
The Morality, Law, and Politics of Data and AI
Presenter: Seth Lazar, Professor of Philosophy at ANU, and project leader of the Humanising Machine Intelligence Grand challenge

10.45am – 11.15am Coffee Break

11.15am – 12.45pm Master Class Computer Science: *Algorithmic Fairness and discrimination*
Presenter: Dr Lachlan McCalman, Chief Practitioner, Gradient Institute and Dr Finn Latinmore, Gradient Institute

12.45pm – 1.45pm Lunch Break

1.45pm – 3.15pm Master Class Law:
The legal Aspects of Ethics and AI
Presenter: Julia Powles, Associate Professor of Law and Technology at The University of Western Australia

3.15pm – 3.45pm Coffee Break

3.45pm – 5.15pm Master Class Psychology Privacy Preserving: *Privacy preserving big data analysis using the private language*
Presenter: Simon Dennis, Director of the Complex Human Data Hub and Head of the Memory and Language Lab

Thursday 26 March

8.30am – 9.00am Registration and Arrival Tea and Coffee

9.00am – 9.30am Welcome and Opening Remarks
Presenter: Sally Cripps, Professor of Statistics, the University of Sydney and Director, DARE ARC Training Centre and Dr Roman Marchant, Senior Research Fellow, the University of Sydney

9.30am – 10.30am Keynote: A/Prof Tim Miller, School of Computing and Information Systems, Melbourne School of Engineering, University of Melbourne

10.30am – 11.00am Coffee Break

11.00am – 12.30pm Paper Presentations

12.30pm – 1.30pm Lunch Break

1.30pm – 2.30pm Keynote : *Toward Wider Adoption of Differential Privacy*
Presenter: Prof Salil Vadhan, Vicky Joseph Professor, Computer Science and Applied Mathematics, Harvard College

2.30pm – 3.30pm Paper Presentations

3.30pm – 4.00pm Coffee Break

4.00pm – 4.30pm NSW Government
Presenter: Ian Opperman

4.30pm – 5.00pm Industry Talk:
McKinsey and Quantum Black
Presenter: Nicolas Hohn, Associate Partner at McKinsey, and the Chief Data Scientist for QuantumBlack Australia

5.00pm – 6.00pm Poster Session

6.30pm – 10.00pm Conference Dinner

Program

Friday 27 March

8.30am – 9.00am Arrival tea and coffee

9.00am – 9.30am Government Presentations Stats NZ:
Algorithm transparency and accountability: New Zealand Government's journey
Presenter: Jeanne McKinght, Senior Advisor System Policy, Statistics NZ

9.30am – 10.00am Keynote: Government Presentations Australian Human Services
Presenter: TBA

10.00am – 11.00am Keynote
Presenter: Prof Karen Yeung, Interdisciplinary Professorial Fellow in Law, Ethics and Informatics, Birmingham Law School & School of Computer Science

11.00am – 11.30am Coffee Break

11.30am – 12.30pm Keynote
Presenter: TBA

12.30pm – 1.30pm Lunch Break

1.30pm – 2.30pm Keynote: The Digital Basanos: AI and the virtue and violence of truth-telling
Presenter: Prof Shanon Vallor, Baillie Gifford Chair in the Ethics and Data of Artificial Intelligence

2.30pm – 4.00pm Paper Presentations 4

4.00pm – 5.00pm Closing Panel Discussion and Closing Remarks

5.00pm – 5.30pm Networking Drinks