2022

THE 20TH AUSTRALASIAN DATA MINING CONFERENCE (AUSDM'22)

Western Sydney, Australia, 12 - 15 December 2022

TABLE OF CONTENTS



02	Table of contents			
03	Message from general chair			
04	Message from program chair			
06	Message from special session chair			
07	Program at a glance			
09	Paper by sessions			
14	Keynote speakers			
15	Special sessions			
20	Tutorials			
22	Organising Committee			
23	Student Showcase			

Sponshorships

24

MESSAGE FROM GENERAL CHAIR

On behalf of the 2022 organising committee, we welcome you to Sydney and the 20th anniversary of Australasian Data Mining Conference (AusDM). We have an exciting line-up to celebrate this milestone. We have organised a special program, including two exciting keynotes by Professor Fang Chen (University of Technology Sydney) and Professor Jeffrey Xu Yu (Chinese University of Hong Kong), a range of special session speakers and panels by Ian Oppermann (NSW Government's Chief Data Scientist), Stela Solar (Director of National Al Centre, CSIRO), Anthony Wong (President of the International Federation for Information Processing), Giovanni Russello (Associate Professor at the University of Auckland), Lin-Yi Chou (Genesis Energy), Flora Salim (Professor of the School of Computer Science and Engineering at UNSW and the CISCO Chair of Digital Transport), Rohan Samaraweera (Senior Director of the Data Science Branch at the Department of Home Affairs), a diverse range of research and application papers, two interesting tutorials, doctoral consortium, women in data mining and artificial intelligence panel, and social events.

The theme of this year's conference is Making sure we have a future. Built on this tradition, AusDM'22 will facilitate the cross-disciplinary exchange of ideas, experience and potential research directions. AusDM'22 will be a meeting place for pushing forward the frontiers of data mining and machine learning in academia and industry.

We want to thank the PC Chairs, Heitor Murilo Gomes (Victoria University of Wellington), Laurence Park (Western Sydney University), Maryam Doborjeh (Auckland University of Technology), Special Session Chair, Diana Benavides Prado (University of Auckland), Publication Chair, Yee Ling Boo (RMIT University), Diversity, Equity, and Inclusion Chair, Richi Nayak (Queensland University of Technology), Finance Chair Michael Walsh (Western Sydney University), Web Chair Ben Halstead (University of Auckland), Publicity Chair Monica Bian (University of Sydney), Local Organising Chairs, Quang Vinh Nguyen (Western Sydney University) and Zhonglin (Jolin) Qu (Western Sydney University), Tutorial Chair, Varvara Vetrova (University of Canterbury), Doctoral Symposium Chair, Vithya Yogarajan (University of Auckland), Industry Chair Jess Moore (The Australian National University), Contest Chair, Tony Nolan (G3N1U5). Finally, we thank all the sponsoring organisations for their generous financial support.

We look forward to coming together in-person in December for an inspiring annual conference.

Yun Sing Koh (University of Auckland) and Yanchang Zhao (Data61, CSIRO)

MESSAGE FROM PROGRAM CHAIR

The Australasian Data Mining conference (AusDM) has steadily grown in reputation from its inception in 2002 to become the premier conference for Data Mining in Australasia. The conference attracts researchers and users of data mining from academia and industry and presents the state-of-the-art to the data mining community. AusDM was hosted this year in Parramatta, Australia, in December 2022.

It is our pleasure to present the proceedings of the 20th Australasian Data Mining Conference (AusDM'22). This is both the twentieth anniversary of the conference's inception and the twentieth time the conference has been run and, therefore a significant milestone for this Australasian conference. During the past twenty years, the conference has been run across Australia and New Zealand and attracted high-quality research and applications from over the world. The research track of the conference was very competitive, having 45 submissions. Each submission was reviewed by at least three program committee members, and the acceptance decisions were made between the reviewers and the program committee chairs. The reviewing process was double-blind (both reviewers and authors were not revealed to each other) to reduce bias in the reviewing process. From this process, seventeen papers were chosen for publication and presentation at the conference, providing a 40% acceptance rate.

The accepted papers cover the topics such as representation learning, ensemble methods, style transfer, understandability, and topic modelling. Each of the published articles will be presented at the conference, along with the keynote presentations from Professor Fang Chen on "Machine Learning with Impact" and Professor Jeffrey Xu Yu on "Exploring Online Social Networks: Issues and Approaches", and special sessions by Ian Oppermann, Stela Solar, Anthony Wong, Giovanni Russello, Lin-Yi Chou, and Flora Salim. We thank everyone involved in the conference and all authors who submitted and presented at the conference. We also thank the program committee for their time, effort, insightful reviews, and feedback. It is this effort that makes the conference a success.

Running the conference required the time and expertise of many. We thank the Industry Chair, Jess Moore, the Special Session Chair, Diana Benavides Prado, the Publication Chair, Yee Ling Boo, the Diversity, Equity, and Inclusion Chair, Richi Nayak, the Finance Chair, Michael Walsh, the Web Chair, Ben Halstead, the Publicity Chair, Monica Bian, the Local Organising Chairs, Quang Vinh Nguyen and Zhonglin Qu, the Tutorial Chair, Varvara Vetrova, and the Doctoral Symposium Chair, Vithya Yogarajan.

We also thank the steering committee chairs, Simeon Simoff and Graham Williams, and general chairs Yun Sing Koh and Yanchang Zhao, who provided constant prods to keep the conference planning on track.

Finally, we thank the AusDM community for supporting this premier conference. We hope you enjoy the conference and the 20th anniversary celebrations and find the proceedings a valuable resource.

Laurence Park (Western Sydney University), Heitor Gomes (Victoria University of Wellington) and Maryam Doborjeh (Auckland University of Technology)

MESSAGE FROM SPECIAL SESSION CHAIR

It is my great pleasure to welcome you to the Special Sessions program to celebrate the 20th anniversary of AusDM. This year we have an exciting line-up of talks and panels for "Making sure we have a future". Our goal is to enable the sharing and learning of key challenges in our local context, and new breakthroughs and opportunities in the exploitation of data and data mining technologies. Our special sessions include one session on the future of DM/AI, with insights on how governments are using AI to enhance government services, how AI can become our co-pilot in our digital world and the battle for control and use of data. We will also discuss how DM/AI technologies can help key sectors such as healthcare, transportation, environment and cybersecurity. Our program also includes two tutorials, a doctoral consortium and a Women in AI/DM panel discussion and networking event.

We owe special thanks to our renowned speakers and panellists, including: Dr. Ian Oppermann (NSW Government's Chief Data Scientist working within the Department of Customer Service), Stela Solar (Director National AI Centre, CSIRO), Anthony Wong (President of the International Federation for Information Processing – IFIP), Flora Salim (CISCO Chair of Digital Transport, School of Computer Science and Engineering, UNSW Sydney), Giovanni Russello (Head of School of Computer Science, The University of Auckland), Lin-Yi Chou (Data Scientist, Genesis Energy), and Rohan Samaraweera (Senior Director Data Science Branch, Department of Home Affairs Australia). We would also like to thank our tutorial speakers Matthew Skiffington (University of Waikato) and Giulio Valentino Dalla Riva (University of Canterbury), our Women in DM/AI panellists, and finally to our doctoral consortium participants.

We would also like to express our gratitude to our special session chairs, Simeon Simoff (Western Sydney University) and Richi Nayak (Queensland University of Technology), who is also our Women in DM/AI chair, our tutorial chair Varvara Vetrova (University of Canterbury) and our doctoral consortium chair Vithya Yogarajan (The University of Auckland). The organisation of this fantastic special program would not have been possible without their dedicated efforts.

Diana Benavides Prado (University of Auckland)

PROGRAM AT A GLANCE

	Main Co	onference	Special Sessions	
	12-Dec	13-Dec	14-Dec	15-Dec
8:30am- 9:00am	Registration	Registration Woman in DM/AI Breakfast networking	Registration	Registration
9:00am- 9:30am		Women in DM/AI: Panel discussion		Challenges and opportunities of DM/AI in key sectors Session & Panel Chair: Richi Nayak
9:30am- 10:00am	Opening	and networking Chair: Richi Nayak	The future of DM/AI: innovation, trustworthiness and digital economiesSessi on & Panel	
10:00am- 10:40am	Keynote: Prof Jeffery Yu	Keynote: Prof Fang Chen		
10:40am- 11:00am	Session Chair: Yun Sing Koh	Session Chair: Yanchang Zhao	Chair: Simeon Simoff	Morning tea
11:00am- 11:15am	Morning tea			Panel Challenges and opportunities of
11:15am- 12:00pm	Session 1	Session 4	Panel: The future of DM/AI: innovation, trustworthiness and digital economies	DM/AI in key sectors Session & Panel Chair: Richi Nayak
12:00pm- 12:30pm			Session & Panel Chair: Simeon Simoff	Lunch

12:30pm- 1:30pm	Lunch					
1:30pm- 3:00pm	Session 2	Tutorial: Normalizing Flows: Concepts, Models and Applications Speaker: Matthew Skiffington Chair: Diana Benavides Prado Session 5 5.00pm - 5.30pm Session Chair: Quang Vinh Nguyen	Tutorial: Julia, Data, and Mathematical Modelling Speaker: Giulio Valentino Dalla Riva Thomas Li Chair: Ben Halstead	Frontier Technologies for Sustainable Development: Opportunities and Challenges Theme: Data and Sustainability		
3:00pm- 3:15pm	Afternoon tea					
3:15pm- 4:15pm	Session 3		Tutorial: Julia, Data, and Mathematical Modelling			
4:15pm- 5:15pm	Doctoral Consortium Session Chair: Monica Bian		Boarding the bus from conference venue at 4.30pm	Frontier Technologies for Sustainable Development: Opportunities and Challenges		
5:15pm- 5:45pm	Youth Showcase Session Chair: Tony Nolan		Boarding the conference cruise boat	Theme: Data and Sustainability		
5:45pm	Reception		Conference Dinner			

PAPERS BY SESSION

Day 1 (12 Dec)

Session 1

11:15am – 12:30pm (Chair: Yanchang Zhao) Format: 15mins presentation + 5 mins QA

11:15am – 3541 (research): Bowen Chen, Yun Sing Koh and Ben Halstead. Measuring Difficulty of Learning using Ensemble Methods

11:35am – 9936 (research): Han Tai, Raymond Wong and Bing Li. Effective imbalance learning utilizing informative data

12:05pm – 449 (application) Sharon Torao Pingi, Md Abul Bashar and Richi Nayak.

A comparative look at the resilience of discriminative and generative classifiers to missing data in longitudinal datasets

Session 2

1:30pm – 3:00pm (Chair: Tony Nolan) Format: 15mins presentation + 5 mins QA

1:30pm – 6345 (research) Zhonglin Qu, Yezihalem Tegegne, Simeon Simoff, Paul Keneedy, Daniel Catchpoole and Quang Vinh Nguyen.
Enhancing Understandability of Omics Data with SHAP, Embedding

Projections and Interactive Visualisations

1:50pm – 5073 (application): Adam Gabriel Dobrakowski, Andrzej Pacuk, Piotr Sankowski, Marcin Mucha and Paweł Brach.
Improving Ads-Profitability Using Traffic-Fingerprints

2:10pm – 9188 (application) Cody Christopher, Kristen Moore and David Liebowitz.

SchemaDB: Structures in Relational Datasets

2:30pm – 1015 (research)"Stuart Fitzpatrick, Laurence Park and Oliver Obst. Measuring Content Preservation in Textual Style Transfer

Session 3

3:15pm – 4:15pm (Chair: Quang Vinh Nguyen) Format: 13mins presentation + 2 mins QA

3:15pm – 1797 (application): Eric Austin, Osmar Zaïane, Christine Largeron and Amine Trabelsi.

Hierarchical topic model inference by community discovery on word cooccurrence networks

3:30pm – 3968 (research) : Qiang Sun, Wei Liu, Du Huynh and Mark Reynolds.

Graph Embeddings for Non-IID Data Feature Representation Learning

3:45pm – 9546 (research) Naureen Naqvi, Sabih Ur Rehman and Md Zahidul Islam.

WinDrift: Early Detection of Concept Drift through the use of Corresponding and Hierarchical Time Windows.

4:00pm – 4985 (application) Ziyu Zhao, Michael Stewart, Wei Liu, Tim French and Melinda Hodkiewicz.

Natural Language Query For Technical Knowledge Graph Navigation

Doctoral Consortium Session 4:15pm - 5:15pm (Chair: Monica Bian)

University of Technology

Sharon Torao Pingi, PhD student at Queensland University of Technology Jolin Qu, PhD student at Western Sydney University Duoyi Zhang, PhD student at Queensland University of Technology Zhangcheng Qiang, PhD student at Australian National University Sarah Almaghrabi, PhD student at RMIT University Girija Rani Karetla, PhD student at Western Sydney Yue Wang, PhD student at Queensland University of Technology Futoon Abushaqra, PhD student at RMIT University Asara Senaratne, PhD student at Australian National University Alyssa Sha, PhD student at Australian National University Sohan Gunawardena Liyana Gunawardena, PhD student at Queensland

Day 2 (13 Dec)

Session 4

11:15am – 12:30pm (Chair: Warwick Graco) Format: 13mins presentation + 2 mins QA

11:15am – 5595 (application) Xiao Li, Huizhi Liang, Chris Ryder, Rodney Jones and Zehao Liu.

Attractiveness Analysis for Health claims on Food Packages

11:30am - 5058 (application) Rob Muspratt and Musa Mammadov. Decomposition of Service Level Encoding for Anomaly Detection

11:45am – 4737 (application): Yashodhya Wijesinghe, Yue Xu, Yuefeng Li and Qing Zhang.

UMLS-Based Question-Answering Approach for Automatic Initial Frailty Assessment

12:00pm – 9961(Research) Vladimir Estivill-Castro, Eugene Gilmore and René Hexel.

Interpretable decisions trees via human-in-the-loop-learning

Session 5

2:30pm – 3:00pm (Chair: Quang Vinh Nguyen) Format: 13mins presentation + 2 mins QA

5:00pm – 9690 (research): Krithik Ramesh and Yun Sing Koh. Investigation of Explainability Techniques for Multimodal Transformers

5:15pm – 1078 (research) Amit Kumar, Nazanin Esmaili and Massimo Piccardi. A Temperature-Modified Dynamic Embedded Topic Model

Day 3

The future of DM/AI: innovation, trustworthiness and digital economies

Session & Panel Chair: Simeon Simoff

9:30am - 10:00am - Speaker/Panelist 1: Stela Solar (Director National Al Centre, CSIRO)

Al: our co-pilot in a complex world

10:00am - 10:30am - Speaker/Panelist 2: Ian Oppermann (NSW Government's Chief Data Scientist)

Data to Decision: How the NSW Government Is Using Al To Enhance Government Services

10:30am - 11am - Speaker/Panelist 3: Anthony Wong (President of the International Federation for Information Processing (IFIP)

Battle for Control and Use of Data

11:00am - 11:15am - Morning Tea

11:15am - 12:30pm - Panel

Panelists: Stela Solar, Ian Oppermann, Anthony Wong

Chair: Simeon Simoff

Day 4

Challenges and opportunities of DM/AI in key sectors

Session & Panel Chair: Richi Nayak

9:00am - 9:25am - Speaker/Panelist 1: Flora Salim (CISCO Chair of Digital Transport, School of Computer Science and Engineering, UNSW Sydney)

Robust Human Behaviour Modelling

9:25am - 9:50am - Speaker/Panelist 2: Giovanni Russello (Head of School of Computer Science, The University of Auckland)
Human Centred Cyber Security

9:50am - 10:15am - Speaker/Panelist 3: Lin-Yi Chou (Data Scientist, Genesis Energy)

Empower people and business through data science in Genesis Energy

10:15am - 10:40am - Speaker/Panelist 4: Rohan Samaraweera (Senior Director Data Science Branch, Department of Home Affairs Australia)
The sleeping giant - The promise of public sector Al

10:40am - 11:00am - Morning Tea

11:00am - 12:00pm - Panel

Panelists: Flora Salim, Giovanni Russello, Lin-Yi Chou, Rohan

Samaraweera

Chair: Richi Nayak

KEYNOTE SPEAKERS



Professor Fang Chen
The University of Technology Sydney

Machine Learning with Impact

In the digital era, big data analytics helps governments and industries to harness the power of data – more efficient operations, more cost savings, higher profits and happier customers. Moreover, it can rapidly revolutionise traditional solutions and ways of thinking in the industry for real-world applications and impact.

Machine Learning (ML) discovers patterns from discriminated data and builds predictive capability from the derived patterns. They are widely used in many areas, such as the financial market and search engines, and there is fast-growing demand for infrastructure, transport, smart city, agriculture and more. The impact of ML is in utilising data to gain unique business insights and in providing innovative solutions for better productivity, safety and community benefit. This talk shares insights into how to create innovative ML solutions with huge versatility and global impact.



Professor Jeffrey Xu YuThe Chinese University of Hong Kong

Exploring Online Social Networks: Issues and Approaches

Social networks have been studied since 1890s to study social ties or relationships among social entities, which can be individuals, communities, etc. With rapid growth of WWW, social networks online such as Facebook, Twitter, etc, it becomes possible to study social networks over such rich datasets in size that cannot be easily studied in the past. Online social networks have been extensively studied over decades to understand large complex social networks online using data/graph analytics.

To better understand online social networks, graph algorithms and graph systems have played a very important rule. In this talk, we will discuss some selected research topics for online social networks from graph algorithm perspectives. The topics include but not limited to social communities such as overlapping communities, influential communities, skyline communities, as well as triangle-free densest structure, finding critical users in social communities, and finding social hierarchy.



Ian Oppermann
NSW Government's Chief Data Scientist

Data to Decision: How the NSW Government Is Using AI To Enhance Government Services

After a long gestation, AI has finally had its day. AI driven solutions are appearing in all aspects of our digital lives, including in government. This presentation explores the NSW's Government's AI Assurance framework, aspects of data sharing frameworks and importantly, how the principles of the use of AI map to the practicalities of use of data and algorithms. After this session, you will have an understanding of the major components of the NSW AI Assurance framework and the dynamic tensions which underpin the mapping of the "principles to the bits".



Stela Solar
National Al Centre Lead of CSIRO

AI: our co-pilot in a complex world National AI Centre Lead of CSIRO

Stela Solar is passionate about removing barriers to positive technology adoption and engagement. Over the past 15 years, Stela has cultivated expertise in capturing new revenue opportunities presented by emerging technologies, particularly through business model transformation. With most recent experience as Global Director of Al Solutions Sales and Strategy at Microsoft, Stela's experiences across business development, strategy, ecosystem development, marketing and product management inform her insights surrounding crossorganisational factors affecting an organisation's ability to capture an advantage.



Anthony Wong
President of the International Federation for Information Processing (IFIP)

Battle for Control and Use of Data

Our economy has been moving from the physical world dominated by tangibles to one motivated by 'bits', 'waves', 'droplets', databases and big data (intangibles). Correspondingly, the values that define the wealth of our society are also shifting from the tangible to the Digital Economy. As our society's dependence on the Digital Economy increases, it has heightened the debate on the 'propertisation' and 'commoditisation' of data.

Who has access to and control over data? Is it the government, the users or the service providers who store the data?

Many countries have adopted measures that restrict the cross-border transfer of data, such as data localization laws, and personal data protection laws. There is no global agreement or convention, and regulators take different approaches within national borders.

Recent misadventures including the Australian #Robodebt scandal and the #Robodebt royal commission have reignited the debate on how algorithms and data matching are used to inform decisions, in both the public and private sector, and the need to ensure that human judgment continues to play a role.

As the battle lines for the control and use of digital data are being drawn, policies need to balance between the many vested interests. What is the fair balance to ensure that the various rights of parties are respected such as human dignity, privacy and identity, the private sector interests- such as profits, the interests of competing third parties, and the interests of the public to access and use data?



Giovanni Russello Head of the School of Computer Science at University of Auckland

Human Centred Cyber Security

Phishing attacks are expected to cost the global economy US\$25 billion in 2022 alone, and that number is only projected to go up. Within 10 years, global costs related to ransomware – often installed following successful phishing attacks – are projected to balloon to US\$300 billion a year. With our research, we are hoping to change that.

Until now, most work aimed at stopping phishing has focused on technological fixes or on what Russello calls "blame-the-user" approaches. The problem is, neither approach is doing enough.

Technological approaches have undeniably had an impact. Spam filters and similar tools stop about 90 percent of malicious emails. But that still leaves 10 percent. Given the sheer volume of phishing email (160 million of phishing emails per day!), most people are still confronting potentially dangerous emails on a daily or near-daily basis.



Lin-Yi Chou Genesis Energy

Empower people and business through data science in Genesis Energy

Data can help business gain valuable insights such as better predicting demand, more accurate sales forecasts, predicting maintenance time for power plant equipment, and so on. But there are limits to what numbers and charts can do on their own; Opportunities or answers to business problems don't just spring from algorithms, they need people to translate the information into compelling stories. So in order to empower people and the business through data science, I propose a number of steps to unlock the little data scientist living inside each of us.



Flora Salim Professor of the School of Computer Science and Engineering at UNSW and the CISCO Chair of Digital Transport

Robust Human Behaviour Modelling

Understanding human behaviours is critical to improving operation efficiency, individual and organisational productivity, public health management, and quality of life in cities. The proliferation of sensors and Internet of Things leads to new opportunities and challenges for human behaviour modelling and forecasting behavioural patterns at scale. How to leverage the rich information from human behaviours, towards developing personalised AI assistant for individuals and robust AI for decision making systems for organisations? I will cover some of the challenges and our initial solutions in training predictive models that are robust to the highly dynamic behaviours in the urban environments, including due to unseen events and shifts in the behaviours. I will present our recent innovative approaches on natural language generation for mobility forecasting in cities. Several open issues including the explainability and robustness of AI-based decision making systems in the urban environments will also be discussed, with examples drawn from realworld smart city, smart building, and intelligent assistant projects.



Rohan Samaraweera

Data Science Branch Lead at the

Department of Home Affairs

The sleeping giant – The promise of public sector AI

With privileged access to key resources required thrive – Data, Expertise, Infrastructure – the public sector should more influential in the AI domain. However unlike previous transformations such as aviation, communications and the internet, governments organisations continue to lag behind industry counterparts. Using new approaches and contemporary technologies the public sector can modernise AI/ML capabilities to support a broader range of services, create immense public good and transform into a new, 'digital' model of government.

Women in DM/Al

Panelists:

Feng Chen

Distinguished Professor, Executive Director UTS Data Science & UTS Data Science Institute, University of Technology Sydney (UTS)

Yun Sing Koh

Associate Professor, School of Computer Science, The University of Auckland, New Zealand

Nandita Sharma

Director - Data Products and Cloud, Australian Taxation Office

Dilusha Weeraddana

Manager | Business Consulting, Ernst & Young

Annelies Tjetjep

Director - Data & Analytics, PricewaterhouseCoopers

Kimberly Beebe

Enterprise Business Development Manager, Aginic

TUTORIALS



Giulio Valentino Dalla Riva Senior Lecturer in Data Science in the School of Mathematics and Statistics, University of Canterbury

Julia, Data, and Mathematical Modelling

In this session we will offer a deep dive into Julia, covering some of the basics and highlighting the possible source of confusion / the possible source of joy for people arriving from other programming languages. In particular, we will focus on interacting with data (dataframes, CSVs, and maybe beyond...), and take a look at how different tools (from Agent Based Modelling to Differential Equations) can smoothly interoperate with probabilistic programming and (geometric?) deep learning.



Thomas Li Senior Lecturer in Data Science at the School of Mathematics and Statistics, University of Canterbury

Julia, Data, and Mathematical Modelling

Thomas Li is a Senior Lecturer in Data Science at the School of Mathematics and Statistics, University of Canterbury. His current research areas involve image processing and classification, 3D projective geometry, phylogenetic trees, classification trees, and deep learning applications. He currently leads the UC Spatial And Image Learning (SAIL) group. Thomas has a wide research network in Australia and New Zealand, and is open to related research collaborations, and interests from prospective PhD students.

TUTORIALS



Matthew Skiffington

PhD student at the Department of Computer
Science at the University of Waikato

Normalizing Flows: Concepts, Models and Applications

Normalizing Flows are a recent class of deep generative models that are used in a wide variety of applications including anomaly detection, denoising, image synthesis and audio synthesis for both supervised and unsupervised learning. In this tutorial, we have three parts. In part one, we will talk about the general concepts and history of Normalizing Flows and their relation to other areas of Deep Learning. We will then cover model taxonomy and available tooling in part two. In part three we will look at the varied applications. Finally, we will briefly cover current research and future directions. Each part of this tutorial will have an interactive component.

ORGANISING COMMITTEE

Steering Committee Chairs

Simeon Simoff (Western Sydney University)
Graham Williams (The Australian National
University)

Diversity, Equity, and Inclusion Chair

Richi Nayak (Queensland University of Technology)

General Chairs

Yun Sing Koh (University of Auckland) Yanchang Zhao (Data61, CSIRO)

Finance Chair

Michael Walsh (Western Sydney University)

PC Chair - Research

Heitor Murilo Gomes (Victoria University of Wellington)
Laurence Park (Western Sydney University)

Web Chair

Ben Halstead (University of Auckland)

PC Chair - Application

Maryam Doborjeh (Auckland University of Technology)

Publicity Chair

Monica Bian (University of Sydney)

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Jess Moore (The Australian National University)

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Special Session Chair

Diana Benavides Prado (University of Auckland)

Tutorial Chair

Varvara Vetrova (University of Canterbury)

Publication Chair

Yee Ling Boo (RMIT University)

Doctoral Symposium Chair

Vithya Yogarajan (University of Auckland)

Student Showcase Chair

Tony Nolan (G3N1U5 Pty, Ltd)

Venue

One Parramatta Square – Western Sydney University Parramatta City Campus

AusDM'22 will be held at Western Sydney University's flagship Parramatta City campus at One Parramatta Square, 169 Macquarie Street, Parramatta, NSW, Australia.

The conference will be held in conference rooms 3 & 4 on level 9 of the building.

STUDENT SHOWCASE

This years youth showcase is focusing on using data to better understand our climate. Everyone knows and understands the weather to some extent, so we thought why not get you to use weather data to explain what is happening with our climate.

The Australian Data Mining conference is celebrating its 20th conference. Looking forward to the next 20 years, we would like to inspire the youth to make a single page report that can displayed at the conference. All suitable entries will be displayed and will receive a participation certificate. Entries are open to all students in primary school, high school, or university. Entries need to have at least one chart or graph, and a table, and a short description of what the data tells you. Plus if you're still at school, permission from your parents or teachers.

Your task is to look at the dataset we have provided, and to look at the data, and tell us what you think the data says to you. In the data set you will see there are a number of different variables. We would like you to choose one and write about it, and to make a graph to help you explain it. As you explanation it, we would like to see how this data is useful in life. This could be in playing sports or doing a hobby, having fun with friends, travelling somewhere, or even what happens at school. The weather has an effect on almost everything we do.

Tony Nolan - Warwick Graco - Ryley Nolan

Our email is mavisnolan1927@gmail.com

Website: https://g3n1u5.xyz/

SPONSORSHIPS

On behalf of the Conference Organising Committee, it is our great pleasure to welcome you to Australasian Data Mining Conference 2022, held in Western Sydney, Australia, in December 2022.

Platinum Sponsor





