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NATIONAL INSTITUTE OF TECHNOLOGY

ACS Tech SUMMIT 2024

ACS WA State Tech Summit 2024

Bridging the future

Date: Thursday 6 June 2024
Time: 1pm - 7.00pm
Venue: The Hub, Bentley Technology Park
2 Brodie Hall Dve, Bentley, WA

Cost: Member Concessional Early Bird $55
Member Early Bird $110
Non-member Early Bird $220
CPD: 4 hours

Half Day Program

Registrations open

12:30pm – 1:00pm
Grab your name badge and a hot beverage, explore our sponsor trade booths and secure your seat for an exciting start to the event.

Welcome & Opening Address

1:00pm – 1:15pm
Josh Griggs, Chief Executive Officer, ACS

Keynote Address

1:15pm – 2:00pm
Securing Tomorrow's Tech Titans: Attracting and Developing Top Talent in Data Science and Cybersecurity
Speaker: Tim Moran, Managing Director, Peoplebank Australia

This session will address a crucial issue facing the Australian tech industry: the looming skill shortage in these critical fields. He will leverage his expertise and industry data to offer valuable insights and strategies for attracting and developing the next generation of tech talent in these important fields of IT.

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Concurrent Session One

2:15pm - 3:00pm

Cyber Security

Speaker: Tom Cleary, Cyber Security Threat Manager, WA Police

"The Security Tightrope: Balancing User Experience with Cyber Risk"

The impacts of cyber risk can range from financial losses and reputational damage, to operational disruptions and regulatory penalties, highlighting the critical importance of robust cyber security measures in today's digital landscape.

This talk will explore the delicate balance between creating a frictionless user experience and the potential security vulnerabilities that can arise. We'll delve into how ease of use for customers can sometimes create opportunities for cybercriminals.

Data & AI

Speaker: Graham Jacoby, Network Operations Analysis Manager - Directorate, WA Main Roads

"How Data and Analytics Enhance Traffic Performance"

Cutting-edge technologies and advanced analytical techniques are revolutionising traffic management, improving efficiency, and enhancing the overall commuting experience.

This presentation will explore the transformative power of data and analytics in optimising traffic performance, focusing on:

- Utilisation of historic data for reporting and analysis.
- Assimilation of real time data for operations.
- How data and theory work together in Smart Freeways operations.

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Concurrent Session Two

3:30pm - 4:15pm

Cyber Security

Speaker: Adam Bennett, Chief Executive Officer, Red Piranha

"Detect All the Things, like Advanced Persistent Threats (APT's)"

When state sponsored threat Actors bypass Endpoint Detection and Response (EDR), what is your plan?

We will deep dive into improving your detection program to catch the APT's, including:

- EDR won't detect cobalt strike, so what will?
- Leveraging Threat Intel for actionable outcomes.
- How EDR bypass works and why should I be worried.
- A look at the updates in 27001 :13 threat intel inclusions (this need fixing)
- Why ASD included TDIR in their recent updates.

Data & AI

Speaker: Philipp Bayer, Principle Research Computational Biology, Mindaroo Foundation

"Using GPT's to make sense of marine environmental DNA"

Generative AI has promised to revolutionise the way we work. In this talk Philipp will show some aspects of using generative AI in biology, especially in analysing and making sense of environmental DNA data. Philipp will walk through pitfalls and the limits of current LLMs when applied to DNA.

This presentation will cover:

- How generative AI is used, especially in biology (Foundational models such as Evo; chatbots).
- How we use generative AI in environmental DNA.
- Lessons learned with generative AI. Limits of chatbots when working with complex data. Still some time for more problems to emerge!

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Locknote Panel - How Data and AI are Transforming the Workforce in WA

4:30pm – 5:15pm

Moderator: Madelene Kawitzki, WA Data Science Innovation Hub (WADSIH), WA Branch Executive Committee Member

Join our Locknote panel as we delve into how data and AI are transforming the Workforce in Western Australia. This insightful discussion will feature expert insights and forward-thinking perspectives on the future of work in an increasingly data and AI driven word.

Panellists are:

- Natasha Blycha, Managing Director, Stirling & Rose
- Kathryn Gulifa, General Manager - Data Analytics, HBF
- Deepshika Mungree, Director of Data and AI, Deloitte Australia
- Bobby Patel, General Manager - Data Analytics, RAC WA
- Christian Rasmussen, Chief Digital Officer, St John Ambulance

Closing Remarks

5:15pm – 5:30pm

Cocktail Networking Function

5:30pm – 7:00pm

Attendees are invited to join the ACS Western Australia Branch Executive Committee for post-event networking drinks and canapes with your colleagues.

Thank you to our generous sponsors

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