

"Compute meets Data - and how they are being integrated in ARCS services"

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DESCRIPTION

The Australian Research Collaboration Service (ARCS) provides the research community with world-class tools and services that advance their research capabilities. Offering collaborative, flexible, leading-edge tools, ARCS is helping shape the future of Australia's national research infrastructure.

In this workshops attendees will learn about ARCS as an organization, the tools and services it is offering around data storage, sharing and transport, easy to use access to high performance compute resources and its work towards the integration of them.

In particular, participants will get hands-on experience with the ARCS Data Fabric and the ARCS Compute Cloud and learn about workflows that utilize both service and as a result enable more efficient research and faster results.

OUTLINE

- Introduction and Overview of ARCS
 - * Nick Tate
 - * 10 min
- Overview of Data Services
 - * Florian Goessmann
 - 15 min
- Overview of Compute Services
 - * Jim McGovern
 - * 15 min
- Use Scenarios future
 - * Jim McGovern, Florian Goessmann
 - * 15 min
- Hands-on Part 1
 - * ARCS Data Fabric
 - * 30 min
- Morning Tea
 - * 30 min
- Hands-on Part 2
 - * ARCS Compute Cloud
 - * 30 min
- Discussion
 - * 30 min

WHO SHOULD ATTEND

- * Researchers
- * eResearch Service Provider Staff
- * eResearch Support Staff
- * IT support Staff

WHAT TO BRING

Participants are required to bring their own laptop computer for the hands-on exercises.

ABOUT THE PRESENTERS

Please provide a short biography of each workshop presenter below.

Nick Tate.

As Associate Director of ARCS, Nick Tate oversees all ARCS operational staff; directs operational strategy and relationship management; and is responsible for the future growth of ARCS' numerous collaborative and interoperable

services. With more than 35 years in the IT industry, he most recently was employed as Director of Information Technology Services at the University of Queensland (UQ), as Director of the Australian Computer Emergency Response Team (AusCERT) and as an Adjunct Professor at UQ's School of Information Technology and Electrical Engineering.

He has a bachelor's degree in physics, master's degree in computer science and a PhD in IT security. He is a Chartered Engineer, Chartered IT Professional, Fellow of the Australian Computer Society and Fellow of the Royal Astronomical Society. He is also a Director of Higher Ed Systems Pty Ltd, National Treasurer and a national Board Member of the Australian Computer Society, the Founding Chair of the eResearch Australasia conference and Chair of the Organising Committee for the World Computer Congress in 2010.

In addition, he is a former Chair of the Council of Australian University Directors of Information Technology (CAUDIT) and currently serves as a faculty member at the CAUDIT Educause Institute as well as chair of two standing committees.

Florian Goessmann.

Florian Goessmann, ARCS Data Services Manager, is responsible for providing the Australian research community with tools and services that enable efficient transport, storage and sharing of scientific data. He is originally from Germany, where he studied geography, remote sensing physics and meteorology before coming to Australia in 2005 to complete his masters in physics at Curtin University. He became involved and interested in eResearch during his studies when he realised he spent more time working on eResearch-like tools for his research group than doing actual research.

Jim McGovern.

Jim McGovern is manager of the Systems Services team within ARCS. He has more than 30 years' experience in the ICT Industry, starting as a software developer before moving to the higher education sector as a research software engineer and lecturer in computer science. As an academic, he carried out various teaching, research and management roles including periods as head of department (most recently as an Associate Professor at RMIT University). Prior to his role at ARCS, he worked as an IT manager at RMIT University for more than five years, first as Director of IT in the Faculty of Applied Science, and then as Senior Manager, Teaching and Learning Systems.

He obtained a bachelor's degree in computing from Queensland Institute of Technology, a masters in Science from Griffith University and a PhD from Melbourne University. He has been a member of the Australian Computer Society for more than 25 years. His main technical interests are in databases and distributed systems. As a manager, he is most interested in project management, development methodology, strategic planning and the management of programs of work.