Brian Ballsun-Stanton Ph.D

M +61 4 79 178 749
E brian.ballsun-stanton@mq.edu.au
W www.drbbs.org
T +61 2 9850 7084
ORCID:

1 BIOGRAPHY

Brian Ballsun-Stanton is Solutions Architect (Digital Humanities) for the Macquarie University Faculty of Arts with a PhD from UNSW in Philosophy. He is working with researchers from across Australia to deploy digital technologies and workflows for their research projects. He has developed a new methodology (The Social Data Flow Network) to explore how individuals in the field understand the nature of data. Brian's current research interests are in exploring the Philosophy of Science's interactions with the Open Data movement, and building tools for rapid analysis and bulk manipulation of large ancient history corpora.

2 CURRICULUM VITAE

2.1 Professional Experience

2018 – Present **Solutions Architect (Digital Humanities), Faculty of Arts, Macquarie University**
Sydney, Australia

2015 – Present **Technical Director and Data Architect at the FAIMS Project, Macquarie University**
Sydney, Australia **Designed and Contributed to:**
https://github.com/IntersectAustralia/faims-web
https://github.com/IntersectAustralia/faims-android
https://github.com/FAIMS
Classes Taught:
FOAR-705 Digital Humanities
See final presentations at: https://youtu.be/r9jpe9_2z3c

2012 – 2015 **Data Architect at the FAIMS Project, University of New South Wales**
Sydney, Australia

2012 **Adjunct Professor at Rochester Institute of Technology**
Rochester, New York, United States **Classes taught:**
4002-320-01 Introduction to Multimedia
4002-360-01 Introduction to Databases

2008 – 2009 **Lecturer and Tutor at The University of New South Wales**
Sydney, Australia **Classes taught:**
INFS1602 - Information Systems in Business
INFS2607 - Infrastructure and Security

2007 – 2008 **Adjunct Professor at Rochester Institute of Technology**
Rochester, New York, United States **Classes taught:**
4002-461 - Fundamentals of Data Modelling
4002-720 - Data Object Development
4002-484 - Fundamentals of Client Server Interaction

2.2 Education

2008 – 2012 **The University of New South Wales in Sydney, Australia**
Ph.D in the Philosophy of Data

2006 – 2007 **Rochester Institute of Technology in Rochester, New York, USA**
MS in Information Technology

2001 – 2005 **Rochester Institute of Technology in Rochester, New York, USA**
BS in Information Technology (Highest Honors, RIT Scholar)

2.3 Grants & Awards

2017 Award: US Department of the Interior and the USGS via the Innocentive Platform. – Team Prize Submission.
"DataApp: A Mobile App Framework for Field Data Capture – Stage 1."
US \$5,625 for a highly-ranked submission of a specification for "FAIMS 3". On a submitting team with: A/Prof Shawn Ross.

2016-2017 Grant: New South Wales Government Research Attraction & Acceleration Program (RAAP). – Technical Director.
"Field Acquired Information Management Systems (FAIMS)".
AUD \$400,000 for NSW-based implementation of FAIMS Mobile. Lead CI: A/Prof Shawn Ross

2016 Grant: Macquarie University Strategic Infrastructure Scheme (MQSIS). – Technical Director.
"Field Acquired Information Management Systems Project: Multidisciplinary mobile data capture and online heritage repository development".
AUD \$149,785 for FAIMS Mobile maintenance, FAIMS Mobile deployments for MQ staff, and migration of FAIMS Repository data to tDAR. Lead CI: A/Prof Shawn Ross

2015 Grant: National eResearch Collaboration Tools and Resources (NeCTAR). – Lead CI
"User support for Virtual Laboratories and eResearch Tools (v005)".
AUD \$13,000 to improve documentation for the Federated Archaeological Information Management Systems Project.

2014-2015 Grant: Australian Research Council Linkage, Infrastructure, Equipment and Facilities Grant. – Technical Director
"Federated archaeological information management systems project: transforming archaeological research through digital technologies (LE140100151)."
AUD \$945,000 including: \$400,000 (ARC), \$200,000 (MQ), \$210,000 (UNSW), \$135,000 (other Eligible Organisations) to continue development of the Federated Archaeological Information Systems Project, especially customisation and deployment at participating fieldwork projects. Lead CI: A/Prof Shawn Ross

2012-2013 Grant: National eResearch Collaboration Tools and Resources (NeCTAR), eResearch Tools program. – Data Architect
"Federated Archaeological Information Management Systems (RT043)."
Circa AUD \$950,000 for development of mobile device applications, database interoperability tools, knowledge discovery strategies, and other resources for archaeological information management. NeCTAR is an Australian Government project and Super Science initiative financed by the Education Investment Fund. Lead CI: A/Prof Shawn Ross

2.4 Community & Service

2016 – present Production Editor. Peer reviewed journal. sx archipelagos.
https://github.com/sx-archipelagos/sxa

2012 – 2015 Stack Exchange Community Moderator
Role Playing Games Stack Exchange

2017 – Present Software Carpentry Instructor
Lead Instructor for Macquarie University workshops on: 31-Aug-17, 26-Sep-17

2017 – Present Convenor of the Macquarie TeX Users' Group

2016 – Present Lead member of the Beni Hassan Research Group

2017 – Present Member of the Program Committee for the International Association for Computing And Philosophy Conference.

2017 – Present Founder of the Macquarie University TeXUsers Group.

2.5 Software Repositories

- https://github.com/FAIMS
- https://github.com/Denubis
- https://github.com/sx-archipelagos/sxa
- https://github.com/orgs/BeniHassanResearchGroup
- https://github.com/orgs/mqTexUsers

3 Publications

3.1 Thesis

Asking About Data: Exploring Different Realities of Data via the Social Data Flow Network Methodology, 425. *The University of New South Wales*
Brian Ballsun-Stanton (2012)

The Manta Project: Conception, Implementation, and Reflections on a Cable Array Robot and its Interfaces. *Rochester Institute of Technology*
Brian Ballsun-Stanton (2007)

3.2 Book Chapters

Measure Twice, Cut Once: Cooperative Deployment of a Generalized, Archaeology-Specific Field Data Collection System
Mobilising the Past for a Digital Future. Ed by Erin Averett, Jody Gordon, and Derek Counts
Adela Sobotkova, Shawn A. Ross, Brian Ballsun-Stanton, Andrew Fairbairn, Jessica Thompson, and Parker
VanValkenburgh

Building the Bazaar: Enhancing archaeological field recording through an open-source approach.
Open Source Archaeology: Ethics And Practice Ed. by Andrew T. Wilson, and Ben Edwards.
Shawn Ross, Brian Ballsun-Stanton, Adela Sobotkova, Penny Crook

3.3 Journal Articles

Mobilization as Mediation: Implementing a Tablet-Based Recording System for Ceramic Classification,
Advances in Archaeological Practice. 1-15.
Parker VanValkenburgh, Luiza OG Silva, Chiara Repetti-Ludlow, Jake Gardner, Jackson Crook, Brian Ballsun-Stanton. (2018)

FAIMS Mobile: Flexible, open-source software for field research,
SoftwareX. 7, 47-52.
Shawn Ross, Adela Sobotkova, Brian Ballsun-Stanton, Penny Crook. (2018)

CREATING eRESEARCH TOOLS FOR ARCHAEOLOGISTS: The Federated Archaeological Information Management Systems project,
Australian Archaeology. p107-119.
Shawn Ross, Adela Sobotkova, Brian Ballsun-Stanton, Penny Crook. (2013)

3.4 Conference Proceedings

Arbitrary Offline Data Capture on All of Your Androids: The FAIMS Mobile Platform
Across Space and Time: Papers from the 41st Conference on Computer Applications and Quantitative Methods in Archaeology, Perth, 25-28 March 2013. p80-88
Adela Sobotkova, Brian Ballsun-Stanton, Shawn Ross, Penny Crook (2013)

#c3t an agreeable swarm: Twitter, the democratization of media & non-localized proximity.
5th International Conference on Computer Sciences and Convergence Information Technology. p166-169.
Kate Carruthers, Brian Ballsun-Stanton (2010)

#c3t the command & control of Twitter: On a socially constructed Twitter & applications of the Philosophy of Data.
5th International Conference on Computer Sciences and Convergence Information Technology. p161-165.
Brian Ballsun-Stanton, Kate Carruthers (2010)

Asking about data: Experimental philosophy of Information Technology.
5th International Conference on Computer Sciences and Convergence Information Technology. p119-124.
Brian Ballsun-Stanton (2010)

Philosophy of Data (PoD) and its Importance to the Discipline of Information Systems.
Americas Conference on Information Systems (AMCIS) 2009. Computer Interaction and Simulation.

Brian Ballsun-Stanton, Deborah Bunker (2009)

Flying a Manta with Gesture and Controller: An Exploration of Certain Interfaces in Human-Robot Interaction.
Proceedings of GW2007 – 7th International Workshop on Gesture in Human-Computer Interaction
Brian Ballsun-Stanton, Jon Schull (2007)