

CURRICULUM VITAE: JANE BURRY

4/45 Milton Street, West Melbourne, Victoria 3003

Mob +61414757102

jane.burphy@gmail.com

[Swinburne University Profile](#)

NATIONALITY

Australian citizenship / New Zealand citizenship / British birth/citizenship

ACADEMIC QUALIFICATIONS

RMIT University	PhD (2011)
University of Glasgow, Scotland	Diploma in Architecture (contemp' MA equiv') (1986)
University of Cambridge, England	Bachelor of Arts in Architecture (1983)

PROFESSIONAL REGISTRATION

ARBV	Registered architect, Victoria, Australia (1996 -)
AERB	Registered architect, New Zealand (1996)

CURRENT POSITION

Dean of the School of Design and Professor, Swinburne University of Technology

ACADEMIC EMPLOYMENT HISTORY

2016 – 2017	Professor, School of Architecture and Design, RMIT University
2011- 2016	Associate Professor, School of Architecture and Design, RMIT University
2006 - 2011	Research Fellow, RMIT University, SIAL, School of Architecture and Design
2010	Senior Project Manager Infrastructure Information Design, Australian Urban Research Infrastructure Network (AURIN) University of Melbourne (0.4)
2007 - 2009	Senior Research Fellow, QUT University, School of Design (0.4)
2001 - 2005	Research Associate (fractional) also offering Design Studio and started new elective courses, RMIT University
1997 - 2001	Deakin University. <i>Tutor: Design Studio and Advanced Computer Applications courses and Research assistant, ARC Large Grant.</i>
1999-	University of Melbourne <i>Sessional architecture teaching: years 3 & 4 design studio</i>
1989-1994	Victoria University of Wellington School of Architecture, <i>Sessional: first, second & third professional years design and communication studios.</i>

EXTERNAL

2021	Acting President, Australian Deans of the Built Environment and Design (ADBED)
2020-21	Hong Kong University Grants Committee (UGC) Research Assessment Exercise (RAE): panel member for UoEs 16, 17, 18 (Built Environment, including engineering, building, architecture, planning and surveying) and group leader for reporting in UoE 17 (Architecture)
2020	Chair, International Fabricate Conference, Bartlett UCL postponed to Sept online + Editor, Fabricate 2020: Making Resilient Architecture, UCL Press

2013 ongoing Director of Smartgeometry organisation <http://www.smartgeometry.org>
2016 ongoing Advisory board: Design Modelling Symposium
2015 Visiting Position: University of Oregon Global Oregon Faculty Collaboration
2012 ongoing International Journal of Architectural Computing Editorial Board Member

RESEARCH:

Current applications pending:

ITTC:

Future Fellowship:

ARC Discovery:

AUSTRALIAN RESEARCH COUNCIL FUNDED PROJECTS

CI on five ARC Funded projects, lead CI on three.

Current:

ARC Linkage LP150100246

Swarming: micro-flight data capture and analysis in architectural design

CIs: Assoc. Prof. J. Burry, Prof. Simon Watkins, Dr Flora Salim, Dr Reece Clothier

2015-2018 \$233,000

ARC Linkage LP130100607

The sound of space: architecture for improved auditory performance in the age of digital fabrication

CIs: Assoc. Prof. J. R. Burry, Prof M C Burry, Mr Dylan Martin, Dr Jordi Faulí

2013-2016 \$150,000

Previous:

ARC Discovery DP130103228

Integrating knowledge in architecture, mathematics and computing to capture the dynamics of air in design

CIs: Assoc. Prof. J. Burry, Prof M. Burry, Prof R. Drogemuller, Assoc. Prof. A. Rao, Prof. Simon Watkins

2013-2015 \$105,000

ARC Discovery DP0985070

Challenging the inflexibility of the flexible digital model

CIs: Prof M. Burry RMIT, Prof J. Frazer QUT, Ms J. Burry RMIT.

2009-2011 \$568,000

A project with three clear sub projects led by the three investigators

ARC Linkage LP0883315

Assimilation of architectural and services design in early design modeling

CIs: Prof J Frazer QUT, Prof M. Burry RMIT, Prof R. Drogemuller, Ms J. Burry RMIT.

Partner: Queensland Government Project Services

2009-2011 \$402,000

Pending applications:

2021 ARC ITTC application with UNSW, 2021 ARC Future Fellowship

Recent applications:

2019 ARC Discovery, 2020 ARC Discovery, ITRC led by UNSW

INDUSTRY FUNDED RESEARCH PROJECTS

- 2017- 18 664 Collins Street Media Wall – Data driven content developed by Swinburne Digital Media Design students and researchers. Cat 3 Research partnership with Mirvac \$125,000
- 2016-17 Urban Internet of Things project with Arup, Melbourne (Alex Sinickas, Matt Low at Arup)
- 2015-19 FabPods Project
- FabPod I, a collaborative SIAL project – a custom acoustic meeting room designed and built in 2012-13 at RMIT has led to a commission for 3 more experimental Pods by RMIT Project Services and interest from external organisations. FabPods II - design for construction of a new refined acoustic meeting space as part of ongoing research linking acoustic performance to digital fabrication Funding: RMIT Property Services + industry sponsorship
- <http://www.sial.rmit.edu.au/portfolio/fabpod-sial/>
- 2014-15 Smartnodes – research into custom printed structural metal nodes – scale pavilion exhibited at Engineers Australia 2014, Real conference, California, 2015, and IASS exhibition in Amsterdam, 2015. SIAL IG collaboration with Kristof Crolla, Principal of LEAD architects, Hong Kong and Arup, Melbourne and Amsterdam. A new design iteration is planned to fulfil an invitation to exhibit at Beijing Biennale.
- <http://www.sial.rmit.edu.au/portfolio/smartnodes/>
- 2014-15 Super CLT- research into creative application of Cross Laminated Timber in multistory residential development in Australia. SIAL IG collaboration with Supermanouvre, Bonacci and Forest and Wood Products Australia.
- 2013 FabPod – completion of meeting room for 8 at RMIT as part of ongoing research into the sound performance of architectural geometry.
- 2001 - 2015 Team member on the research for the continuing construction of the Sagrada Família Basilica, Passion Façade, acoustic investigation of the internal Glory façade. The upper colonnade of the Passion Façade on the West transept (for which I was the project architect for the design phase) is under construction and nearing completion in 2015
- <http://www.sial.rmit.edu.au/portfolio/passion-facade/>

OTHER FUNDED RESEARCH PROJECTS

- 2019 Building Obesity – joint project with Arup considering urban impacts of large footprint development on pedestrian and air flows and activity \$45,000
- 2017-18 Swinburne Smart Cities Research Institute Seeding Project *Media art as urban story telling: Australian opportunities for data-driven content on large format screens* with James Marshall, James Berrett, Stuart Favilla, Bill Trijokus, Chris Flukes. Partners Mirvac and Grimshaw Architects \$20,000.
- 2018 Seeding Project: *Keeping the Heart of the Sydney Opera House Beating: An Immersive Experience of the Main Concert Hall during Upgrade Works, 2020-2021*
- 2016 - 2018 Office of Learning and Teaching Innovation and Development Grant: \$229,000
- Project title: Developing pedagogical solutions to linguistic and cultural barriers in design education supporting Asian architecture students
- Project leaders: Associate Professor Ning Gu, the University of Newcastle, Dr Ju

Hyun Lee, the University of Newcastle, Professor Michael Ostwald, the University of Newcastle Project team members: Professor Mark Taylor, the University of Newcastle, Associate Professor Jane Burry, RMIT University Associate Professor Richard Tucker, Deakin University, Professor Robin Drogemuller, Queensland University of Technology

- 2016 School Research Funding (D_Lab) for SG16 Research Cluster: Sensory Detective with PhD candidates. <https://vimeo.com/162747037> \$3000
- 2015 RMIT Spur funding to support the Independents Group Industry Funded research \$4,500
- 2013-15 RMIT and SIEMENS Sustainable Urban Precinct (SUP) Scheme:
Online Infrastructure for iCO2mmunity: Personal and community carbon footprint monitoring for university-wide engagement towards greener living
Dr Flora Salim, Dr Margaret Hamilton, A/Prof Jane Burry, \$490,442
- 2013 RMIT School of Architecture and Design SRC grant \$4000 to support Smartgeometry cluster *Thermal Reticulations* and dissemination.
- 2013 RMIT Research and Innovation Research Partnerships Development Scheme grant \$10k
- 2013 Program Development Fund grant for curriculum development and prototyping the new research-led Master of Design innovation and Technology \$20K
- 2012 VESKI Award Growing Smarter Material Systems \$30,000
- 2012 RMIT R & I Research Partnerships Development Award \$10,000
- 2011 Designing the Dynamic direct industry funding \$15,000
- 2011 RMIT DRI Future Fabric of Cities funding for Mathematics in the City Fabric Weave – \$11,000 for two workshop symposium events involving international visiting fellows. Jane Burry, Andrew Burrow, Flora Salim, Mark Burry.
- 2011 RMIT School of Architecture SRC grant \$6,700 to support Smart Geometry cluster Responsive Acoustic Surfaces. Jane Burry, Mark Burry, Daniel Davis,
- 2011 IBM Smarter Planet faculty award \$10,000 for innovative transdisciplinary cross-campus design studio with Vietnam. Flora Salim, SusuNousala, Margaret Hamilton, Marsha Berry, Jane Burry.
- 2011 Co-recipient of LTIF Grant to develop innovative transdisciplinary research led course \$15K
- 2008 RMIT DRI Seeding grant: *Sharing Design Space*; Team: J.Burry, D.Holzer, Y.Tengono, A.Burrow, (SIAL), P.Minifie, T.Kovac (A+D), J.Lenarcic (Business IT), M.Burry
- 2008 RMIT DRI Seeding grant: *Scribblr: investigating the role of layered graphical markup in cyber collaboration*; Team: J Yuille (Applied Comm), J. Burry (SIAL), M.Burry (DI), B. Bennett (DI), L. Vaughan (Applied Comm), H. Edquist (Arch + Design)
- 2007 RMIT Emerging Researcher Grant: *Architecture and Mathematics: modeling information rich space*; with team Y. Tengono, computer science, SIAL and Lynn McArthur, School of Mathematics and Geospatial science
- 2007 RMIT School of Architecture and Design SRC Grant: *Mathematics in Design*
- 2002-2010 Annual SRC competitive funding for conference attendance \$2000 pa approx
- 2001-2008 Experience as team member on writing and project execution of seven previous successful ARC grant funded projects

Research experience prior to architectural practice career

- 1983 University of Cambridge Colin Davidson Memorial Scholarship and Kettle Yard Grant. Research into the impact of post-cyclone relief housing in the Krishna

Delta, South East India. Included three months field work. Supported also by Shankland Cox and in association with research at University of East Anglia by Dr Peter Winchester. Working within the auspices of the Diviseema Social Service Society

PARTICIPATION IN UNIVERSITY LEADERSHIP AND ADMINISTRATION

2021- ongoing	Academic Executive Group committee of Deans reporting to the DVCA + DVCR+E
2021-	Swinburne Urban Design and Space Planning committee
2020	Active contributor on Swinburne Unlimited, including leading the School of Design members to contribute widely
2019-ongoing	Executive Leaders Group committee, Swinburne University
2017-ongoing	Dean of the School of Design, Swinburne University of Technology
2017-2020	Member of Faculty Executive for Health Arts and Design (now disbanded)
2017	Swinburne Research Website committee
2018	Swinburne ERA Impact and Engagement committee
2014 ongoing	Human Ethic Advisory Network (CHEAN) member
2014-	VC's Built Environment, Construction and Infrastructure (BECI) Forum representative (Design Research Institute)
2012 ongoing	Director of the Spatial Information Architecture Laboratory (SIAL)
2013 ongoing	Founder and Program Director Master of Design Innovation and Technology
2005 -2013	School of Architecture and Design Learning and Teaching Committee SIAL representative
2012-	School of Architecture and Design Executive Meetings
2008	RMIT Design Hub – Building briefing group member
2008-	SIAL workshop supervisor
2007	Active member of workshops for strategic planning School of Architecture and Design, Learning and Teaching, Facilities, Strategic directions
2006-	Mathematics and Design stream leader, SIAL.
2006	RMIT Design Hub - Design Research Development Group
2005-	SIAL undergraduate learning and teaching coordinator and representative
2005-	SIAL facilities management (software, equipment)
2004-2005	Coordinator of RMIT Virtual Research Institute Dissolving the Boundaries between Architecture and Engineering.

MANAGEMENT - STAFF REPORTING

As Dean of the School of Design at Swinburne University, Department Chairs, Architectural and Industrial Design and Communication Design, Research Centre for Design Innovation Director, Director of Design Factory Melbourne, all report directly. School Research Director, School Academic Director Research Training, School Director of Learning Innovation and School Director International report in those roles.

Previously: All RMIT SIAL/MDIT academic and casual staff report – responsible for work plan and workload management.

MAJOR INITIATIVES

2019	Opening of Protolab – new prototyping workshop facility for Architecture + Design
2019	Masters of Architecture, Urban Design, Architecture and Urban Design

- 2018 Bachelor of Design (Architecture)
- 2017- Realising the SUT Business Plan to commence programs in architecture, architectural engineering and urban design – recruiting staff, developing spaces and new workshop, developing curriculum.
- 2017- Swinburne University School of Design: Reimagining our Workspace project.
- 2017- Swinburne University School of Design: The Bureau (in house design consultancy employing placement and intern students)
- 2012-14 Initiation of a new RMIT Master’s Program: Design Innovation and Technology
- 2013 - Independents’ Group Fellowship program node at RMIT, an international network of leading architecture schools with local industry partnership clusters researching future modes of practice through design and large-scale prototyping. Two fellowships awarded in 2014 for the projects smartNodes and SuperCLT in partnership with Arup, Melbourne, Memko Pty Ltd, Bonacci and Forest and Wood Products. Fellowships awarded to Kristof Crolla, L-E-A-D, Hong Kong and Supermanouvre, Sydney.
- 2013-2014 - ‘Growing Smarter Material Systems’ Symposia I & II and workshops: funded by the Victorian Endowment for Science, Knowledge and Innovation (VESKI) with keynotes: Kevin Klinger, Martin Tamke, Mark Goulthorpe, Jordi Truco and Sylvia Felipe and distinguished local panels
- 2012- FabPod workshop, symposium and full-scale construction as a persistent prototype for long term testing and use
- 2006 - Living Laboratory Project co-convened with Lawrence Harvey, SIAL Sound and RMIT Design Centre, membership from every academic University Portfolio, TAFE, Property Services and industry partners. Aim to make University an exemplary corporate citizen and the campuses a real time experiential learning facility for cross disciplinary environmental design and performance education and research.
- 2004 Setting up SIAL University-wide vertical design electives that attract a wide cohort of U/G and P/G students. (one in Flexible (parametric) modeling and two in sound design, led by Lawrence Harvey, SIAL Sound.)
- 2004 Instigated and implemented the translation of CATIA™ design practice from SIAL to the Technical Office of the Sagrada Família Church in Barcelona

AWARDS AND RECOGNITION

- 2020 ACADIA Teaching Award of Excellence - This award recognizes innovative teaching in the field of digital design in architecture. Teaching approaches that can be adopted by other educators are recognized in particular <http://2020.acadia.org/awards.html>
- 2016 Robots in Architecture Pioneer Award (Rob|Arch)
- 2014 Shortlisted AIA Awards Small Projects – FabPod with Nicholas Williams, John Cherrey, Mark Burry
- 2013 College of Design and Social Context Early Career Researcher award
- 2013 Finalist The Shell Australian Innovation Challenge (FabPod project)
- 2013 Finalist, The Victorian Premier’s Design Awards (FabPod project)
- 2012 Finalist, Tex Fab Competition: Prototype with Nicholas Williams, John Cherrey, Mark Burry.

POSTGRADUATE SUPERVISION/EXAMINATION/COMPLETION

Postgraduate Completions

Candidate	Title/working title	PhD		Notes
Dr Daniel Davis	<i>Modelled on Software Engineering: Flexible Parametric Models in the Practice of Architecture</i>	PhD	2013	ARC Discovery Challenging the Inflexibility of the Flexible Digital Model
Dr Chin Koi Khoo	<i>Morphing Architecture with Responsive Material Systems</i>	PhD	2013	SIAL Architecture RMIT
Emre Ozyetis	<i>Re-visiting the Political Context of Manfredo Tafuri's "Toward a Critique of Architectural Ideology": 'Having Corpses in our Mouths'</i>		2013	Masters by Research SIAL Architecture RMIT
Dr Alex Peña de Leon	<i>Separation of Concerns: Strategies for complex parametric design modelling</i>	PhD	2014	ARC Discovery SIAL Architecture RMIT
Dr Kamil Sharaidin	<i>Kinetic Facades: towards design for environmental performance</i>	PhD	2014	SIAL Architecture RMIT
Antony Pelosi	<i>Distance: A framework for improving spatial cognition within digital architectural models</i>	PhD	2015	SIAL Architecture RMIT
Rafael Moya Castro	<i>Wind analysis in the early design stage: An empirical study of wind visualisation techniques for architects</i>	PhD	2015	SIAL Architecture RMIT
Helen Dilkes	<i>Utilising non-Euclidean geometry and philosophy of multiplicity to explore the nexus between person, object and space in contemporary jewellery artist practice</i>	PhD	2016	School of Art (jewellery and silver smithing) RMIT
Mani Williams	<i>Let's Track! Strategies to establish active people tracking in workplaces</i>	PhD	2017	ARC Discovery SIAL RMIT
Mehrnoush Latifi	<i>Skin Patterning: Towards Morphing Microclimates Through Multiscalar Surface Articulation,</i>	PhD	2017	SIAL Architecture RMIT (ARC DP associate PhD)
Nicholas Williams	<i>Plugin Practice: Recasting Modularity for Architects</i>	PhD	2017	SIAL Architecture RMIT
Kristof Crolla	<i>Building Simplicity: The 'More or Less' of Post-digital Architecture Practice</i>	PhD	2018	SIAL Architecture RMIT
Manuel Muehlbauer	<i>Typogenetic Design: Aesthetic Decision Support for Architectural Shape Generation</i>	PhD	2018	SIAL Architecture RMIT
Paul Loh	<i>Machining Aesthetics, the formation of craft in computational design and digital manufacturing</i>	PhD	2019	SIAL Architecture RMIT
Philip Belesky	<i>Testing Terrain: Exploring the</i>	PhD	2019	SIAL Architecture RMIT

	<i>Computational Design of Natural Systems in Landscape Architecture</i>			ARC DP
Pantea Alambeigi	<i>Shape the Sound in Space; design to refine speech privacy perception</i>	PhD	2020	Swinburne University of Technology, ARC LP
Max Marschall	<i>Humans in the Loop: Incorporating Occupant Behaviour in Building Performance Simulations</i>	PhD	2020	RMIT University/ Swinburne led ARC LP
In Progress				
Daniel Prohasky	<i>Fractal Atmospheres and the Physiology of Thermal Alliesthesia</i>	PhD	CS	Aerospace Engineering RMIT (staff at SUT)
Linus Tan	<i>Building high-performing teams: Examining the role of team reflection and learning in the performance of architecture teams</i>	PhD	PS	Swinburne Design
Friederika Hackler	<i>Designing Spaces for Rehabilitation in Australian Prisons: Contemporary Applications</i>	PhD	CS	Swinburne Design
Scott Brewer	<i>AR in Museums 'How will new technologies change the design of spaces built for the purpose of visitation?'</i>	PhD	CS	Swinburne Design
Mohsen Kafaei	<i>Investigation of the effect of the smell of different materials on human emotions through the recording and processing of brain and peripheral signals</i>	PhD	PS	Swinburne Design - CDI SUPRA scholarship

UNIVERSITY TEACHING

2020	Designed and delivered the Theory Seminar course in the first offering of the new online Master of Advanced Computation for Architecture and Design (MACAD) at Institute of Advanced Architecture Cataluna IAAC Air-Sound-alliesthesia-structures- materials
2017-	Dean, School of Design Swinburne University. Invited reviewer four times annually for a range of units across the architecture program, interior architecture program, BDes capstone, Master of Design and Design Factory Melbourne. External invitations to lecture, review, supervise or examine at IAAC, CITA, Delft, Bauhaus, DTU etc.
2013-2017	Initiator and program manager for RMIT University's Master of Design Innovation and Technology (MDIT), a new and fast-growing transdisciplinary master's by coursework program: aiming to prepare the design leaders for a rapidly changing environment through a focus on the future of design practice. The first student intake was in Semester 1 2014. The cohort is currently 52.
2016	Semester 1 MDIT Major Project Studio / Semester 2 MDIT
2015	Semester 2 MDIT Designing Responsive Environments studio: <i>Turbulence</i> Semester 2 Coordinator MDIT Digital Fabrication and Advanced Technology studio <i>Structural Orchestra</i>

- Semester 1 coordinator Flexible 3D Modelling elective
Semester 1 MDIT Major Project supervisor
- 2014 - Semester 2: Master of Design Innovation and Technology Digital Fabrication travelling studio at ELISAVA, Barcelona
- 2014 - Semester 2 *Flexible 3 Modelling for Design and Prototyping* cross university elective (Course re written)
- 2014 - Semester 1: MDIT Responsive Environments Studio in collaboration with Assoc. Prof Nancy Cheng from University of Oregon
- 2014 - Semester 1: Invited Carlo Ratti, MIT SENSEable City Laboratory to work with MDIT Information Environments studio led by Greg More (also with Rob Adams at City of Melbourne)
- 2005 - 2012 RMIT SIAL University *Flexible 3 Modelling for Design and Prototyping* University wide elective combined U/G, P/G, Post Professional. – coordinate and teach every semester
- 2004 – 2012 RMIT Architecture major project supervision (1 - 4 candidates per semester)
- 2011 RMIT SIAL Augmented Spatiality studio – 7 disciplines engaged in urban design proposals to activate upper Swanston Street including full scale prototyped interactive installations
- 2010 RMIT SIAL RAD-P (Getting Physical with parametric modeling – introducing sensing and actuation) co taught with Flora Salim.
- 2007-09 QUT University penultimate and final year undergraduate research investigation applying parametric modeling and scripting approaches in *Cleanskins* studio – collaboration with Major Project students in RMIT
- 2005-2011 RMIT Architecture Major Project supervisor to self selecting students
- 2007-11 Regular team participant and critic in SIAL interdisciplinary design studios
- 2007 RMIT SIAL *LivingLab 01* co-coordinator interdisciplinary Upper Pool undergraduate design studio investigating sustainable future development with Malte Wagenfeld, Industrial Design.
- 2006 RMIT SIAL *Janus* Upper pool architecture studio (large scale urban) with Matthias Hauesler,
- 2005 RMIT SIAL *Re-engineering* (Combined Architecture Pre Major + Structural Engineering Research Report) The top student won the Victorian Premier's student award and the RAlA student award
- RMIT SIAL *AIR* Upper Pool studio with Malte Wagenfeld (ID) and Dominik Holzer
- 2004 RMIT School of Architecture and Design coordinator Parametric Design Seminar,
- 2003 RMIT SIAL VUW coordinator *Craters of the Moon* collaborative multi disciplinary Studio with Victoria University of Wellington,
- 2002 RMIT SIAL tutor *Digital Mockups Studio* with MIT + Gehry Partners
(All RMIT web links from: <http://www.sial.rmit.edu.au/Projects/>)
- 2000 Deakin University. *Tutor SRC 421: Advanced Computer Applications course*
- 1999- University of Melbourne School of Architecture, Building and Planning *combined years 3 & 4 design sessional tutor*
- 1997 Deakin University School of Architecture and Building first year design studio.
- 1989-1994 Victoria University of Wellington School of Architecture, sessional tutor first, second and third professional years design and communication studios.

AFFILIATIONS NOT INCLUDED ELSEWHERE

2017- ongoing	Swinburne Centre for Design Innovation (Research Centre membership)
2017- ongoing	Swinburne Smart Cities Research Institute
2012 -16	Independents' Group –partners: Kristof Crolla, CUHK + LEAD, Supermanouvre +UTS, Forest and Wood Products Australia, Arup, Bonacci
2007-14	RMIT Design Research Institute – active member of the Future Fabric of Cities Flagship and formerly Customising Space group and contributor to Geoplaced Knowledges group.
2010-11	University of Melbourne – project officer for Australian Urban Research Infrastructure Network project start up (\$20M AUD)
2010-	Centre for Information Technology in Architecture (CITA) Royal Danish School of Fine Art - workshop collaboration and co research Dermoid I, II, III
2003-	Smartgeometry.org contributor as practitioner, workshop tutor and Cluster coordinator.
2005-2009	ACID (Australian Centre for Interaction Design) member of the Virtual Communities Group and Loupe project.

EVENTS AND INDUSTRY LIASON

2021	Smartgeometry 2021, CMU, USA – co-organiser (postponed to 2022)
2019	Design Modelling Symposium Berlin Organising Committee and Editor.
2018	Smartgeometry 2018, University of Toronto -co-organiser.
2017	Design Modelling Symposium Paris Organising Committee and Editor.
2016	Unispace and Haworth design workshop and competition 29 th April at RMIT workshop B45 with Simon Pole, Global Design Director Unispace, Dylan Martyn from Haworth, Melbourne and members of Haworth, Sydney plus 15 RMIT Industrial Design, Interior Design, Communication design and MDIT students.
2016	AUSTIMBER Pavilion at the entry to the main exhibition, RMIT IG with Supermanouvre, in liason with Laurie Martin, Traralgon date 15-16 April
2016	CAADRIA Workshops: 2 organised at RMIT: Macroscopes and Microscopes and Joint, Part Freeform – Locating customisation in timber structures
2016	RMIT Co Chair: CAADRIA 2016 at University of Melbourne
2016	Co Chair Robots in Architecture Conference at University of Sydney
2016	Smartgeometry Director: organising team for SG16 at Chalmers University
2014	Smartgeometry Director and Conference convenor for SG2014 at CUHK
2013	Visits to and interviews with over 40 leading international architect and engineering practices for forthcoming joint authored book on prototyping for architects.
2013 -	Formal RMIT partnerships with Arup, Bonacci, FWPA, Memko through the Independents Group. Much more extensive relationships through the IG steering committee and outreach.
2013-	Convenor for Conference at the Smartgeometry 2013 event in the Bartlett School, London.
2012	Convenor for Conference, SmartGeometry Conference 2012 in RPI, NY.
2011	<i>Responsive Acoustic Surfaces</i> . Smartgeometry 2011 SIAL Cluster leader, researching sound scattering from
2011-	Designing the Dynamic Workshop and Symposium at RMIT with Hugh Whitehead,

- Director of the Specialist Modelling Group at Foster + Partners leading to associated research project and edited book engaging technology companies, sail design and race leaders, interdisciplinary and global expert participation
- 2010 Sagrada Familia Basilica Tour Guide, SmartGeometry conference, Barcelona
- 2010 Confidentiality agreement with Autodesk research to contribute to application research in new modelling initiative
- 2007 Smartgeometry Workshops and Symposium New York – invited tutor
- 2007 Concentric Asia Pacific Advanced Digital Project Course hosted by SIAL RMIT attendance from three States (RMIT organizer)
- 2006 Bentley Systems' first Australasian Generative Components Workshops and Symposium. Academic initiator and organizer in partnership with Bentley Systems. Attendance from multiple States and NZ
- 2006 Invitation to the Generative Components workshop at the Bentley User Conference in Prague.
- 2001- 2011 Regular inviter of significant Speakers to RMIT e.g. DRI/SIAL Carlo Ratti lecture 2009, SIAL colloquium series speakers, Hugh Whitehead and Helmut Pottmann in 2011, etc.

RESEARCH PROJECTS/ CLUSTERS /WORKSHOPS

- 2016 SG2016 *Sensory Detectives* Research Cluster at Chalmers University
- 2014 SG2014 *Private Microclimates* Research Cluster in Hong Kong (one of ten selected internationally from a field of 70) Role: team leadership
- 2014 *Growing Smarter Materials Systems II* Symposium at RMIT with Mark Goulthorpe MIT and Jordi Truco and Sylvia Felipe ELISAVA as keynotes and distinguished local panel from industry Role: organiser
- 2013 *Sense and Sustainability* - research project in sensing and design leading to weeklong research and education workshop at UPC in Barcelona Role: team leader
- 2012-13 *Designing the Dynamic movie, exhibition and book launch* – Edited book and 15-minute film produced on the subject of high-performance sailing and dynamic feedback in design exhibited and launched as part of the DRI Convergence event. Role: Project leader and Book editor
- 2013- *Growing Smarter Material Systems I*– Symposium and framework for researching synergies between design construction and advanced manufacturing around new material systems. (Supported by VESKI and in conjunction with the RMIT DRI Convergence events.) Role: coordinator
- 2013 *Manufacturing Timber Futures* – Workshop with Kevin Klinger, Ball State University as visiting Fellow to investigate new directions in building with engineered timber products: plywood, CLT, LVL (support: VESKI and RMIT DRI Convergence events.) Role: leadership
- 2013 *Dermoid III* – Research and fabrication project with CITA, Copenhagen and UDK, Berlin at RMIT to investigate active bending in plywood structures (supported by VESKI.) Role: collaborating researcher
- 2013 SG2013 *Thermal Reticulations* – research cluster at Smartgeometry 2013 to investigate thermal behaviour feedback in façade design (1 of 10 selected from 70). Role: Cluster leader
- 2012-ongoing *FabPod* – prototype acoustic meeting pod for the new RMIT Design Hub designed and built to continue the research into sound scattering by hyperbolic surfaces, acoustic simulation within the architectural design process and detailed

- automated design-to-fabrication system for complex and highly customised architectural geometry. Role: project oversight
- 2011 Coordinated the research project 'Mathematics in the City Fabric Weave' under the Design Research institute flagship the Future Fabric of Cities. Project leader
- 2011 Led *Designing the Dynamic* – one-week hands on workshop and international symposium held at RMIT in November 2011 to investigate the representation of dynamic systems within architectural and sailing design. Conceived and run with Hugh Whitehead, Director of Fosters Specialist Modelling Group and Kristoffer Josefsson, mathematician also from the SMG. Collaboration between Architecture and Design, mathematics program and aerospace engineering at RMIT. Led to intensive preparatory research by the workshop clusters and ongoing postgraduate research in design for aerodynamics in architecture. Role: Project leader
- 2011 SG2011 Coordinated the *Responsive Acoustic Surfaces* Cluster at Smartgeometry 2011 in Copenhagen. (extensive preparatory research and prototyping in SIAL and catalyst for ongoing research into architectural surface and acoustics.) Role: research Cluster leader
- 2008-10 The New Mathematics of Architecture – lead author for Thames and Hudson book published 2010.
- 2009-2012 Challenging the Inflexibility of the Flexible model – ARC Discovery funded (CI)
- 2008-2011 Assimilation of architectural and services design in early design – ARC Linkage funded (CI)
- 2009 'Annotare' – the role of annotation in design communication –RMIT Design Research Institute seed funded Role: Research collaborator
- 2007 Sharing Design Space, collaborative flexible digital modeling – RMIT Design Research Institute seeding funded Role: project leader
- 2007 *Loupe* online communication visualization project - Australian Centre for Interaction Design- Australian Centre Interaction Design (ACID) role: Collaborator
- 2006-2008 *Scribble* project – 'markup in cyber collaboration'- RMIT DRI seeding funded and industry-led research into design and application of online image mark-up tool. ACID: member of the Virtual Communities Group.
- 2003 - 2005 *Dissolving the Boundaries between Architecture and Engineering* team member – RMIT VRI research funding. Role: on research team and administrative coordinator
- Sub projects:*
- 2004 – Applying *Evolutionary Structural Optimisation* (ESO) to the design of the upper colonnade of the Sagrada Família Narthex
- 2004-2007 – Investigating collaborative project-based teaching combining architecture and structural engineering towards a co-rational approach
- 2004-2005 – Design of the New Zealand War Memorial for Hyde Park Corner London with NZ artist Rhondda Greig applying parametric and generative structural approaches.
- 2002 - 2005 ARC Discovery project *Ontology-based collaboration in Design*. (CIs: Woodbury/Burry/Amor) Role: research associate - participant observation and analysis of existing design communication archives to inform design of tools to support remote collaboration; grant administration, team appointments, meetings and budgeting. Role: Research Associate
- 2001 – 2002 ARC Large Project: *Investigation into Antoni Gaudí's Final Design Models for the Sagrada Família Church* (CI Mark Burry) Role: Research Assistant

1999 -2000 *Temple Sagrada Família* Research Assistant West Transept Rose window novel Documentation approach

ARCHITECTURAL PRACTICE

2013 – 2020 Sagrada Família Basilica - acoustic investigation of the internal Glory façade and spatial sound and music composition for the interior in the context of the ARC-funded Sound of Space project

2000 – 2016 Sagrada Família Basilica, team member on the research for the continuing construction for the Basilica, novel approaches to modelling, workflows etc.

2007- 2011 Sagrada Família Basilica Project architect throughout the design phases for the upper colonnade of Passion Façade on the West Transept (completed).

2017 New House, Matarangi, Coromandel NZ (in construction)

2010-12 *Murdoch House*, Te Kuiti, New Zealand remodelling Phase 2

2009 *Peacocke House*, Matarangi, Coromandel NZ – Beach front house

2000 *Murdoch House*, Te Kuiti, NZ major remodelling Phase 1

1998 Project architect, Coulson Pelchen Architects. Projects: *Stella Maris Convent refurbishment, Geelong, Mills residential development, Ocean Grove*

1993-2000 Partner, Burry & Burry Architects, New Zealand

Paekakariki School: Major remodel of a primary school. (Architecture New Zealand, 1998.) Eight new houses including three using unusual or innovative construction techniques. Sites and contexts varied from remote rural to mixed use urban. Thirteen house additions and alterations varying in scale and complexity.

1989 -1993 *Six house addition and alteration projects, Parex 100 offices/stock room, Parry House conservatory.*

1987-1989 Project Officer, Western Isles Care and Repair Project, Age Concern Scotland.

Employed to set up and run a house-improvement architectural and advocacy service for elderly people in the Uists, reporting to a local management committee and to ACS management in Edinburgh. Architectural services plus assistance with financial, legal, and welfare issues arising in the process of improving the substandard housing stock.

1986-1987 Assistant Architect, Benjamin Tindall Architect, Edinburgh.

Involvement from briefing to production information on six projects all involving existing buildings of historic importance or conservation value.

1983-1989 Private practice, Western Isles of Scotland supervised by a registered architect.

Eighty projects, grant-aided house improvements, extensions and new houses, a manse, a shop, a public house extension, hotel refurbishment and agribuildings.

ARCHITECTURAL COMPETITIONS

2019 National Gallery of Victoria annual Architecture Commission for installation in the Grollo Equiset garden – *Genius Fungi Manufactured Meduscutoid Mycelium*

2005 New Zealand War Memorial, London Invited entry w. Rhondda Greig, Mark Burry

1993 20U40 competition *Chaffers Beach* Joint entry with Mark Burry and Ken Davis, Custance associates. (selected for exhibition)

1990 20U40 competition *The Urban(e) House* Joint entry with Mark Burry (exhibited and commended)

1989 Group member, Ampersand/VUW/Denton Corker Marshall entry to Te Papa Tongerewa Museum of New Zealand competition

EDITING AND REFEREEING

2020	AAG (Scientific Committee)
2020-	FABRICATE (Co Chair)
2019	DMS (CoChair and Scientific Committee Design Modelling Symposium, Berlin)
2018 -	ACADIA
2018 -	Robots in Architecture
2017	Automation in Construction
2017	DMS (CoChair and Scientific Committee Design Modelling Symposium, Paris)
2016	3D Printing and Additive Manufacturing Journal
2016	Environment and Planning B: Planning and Design
2015-16	Robots in Architecture 2016 (Co-Chair and Co-Editor of proceedings (Springer)
2015	DMS (Scientific Committee Design Modelling Symposium, Copenhagen)
2014	ACADIA conference
2010-ongoing	CAADRIA conference annually
2012 ongoing	IJAC Editorial Board Member
2011-	DMSB scientific board
2012	AAG conference scientific committee and referee
2011	Guest editor for special issue of the International Journal of Architectural Computing (IJAC)
2011	DMS Design Modelling Symposium, Berlin
2009	Cumulus conference
2007	Deutsches Architektur Museum Gaudí Unseen: catalogue editor
2007	Homo Faber 1 Exhibition catalogue: text editing
2007	Kybenetes – Special issue Design and Cybernetics referee
2006	Homo Faber 2 Exhibition catalogue text editing
2005	ANZASCA referee
2004	Intermesh referee
2001	Proceedings of Mathematics and Design conference, Deakin University –editor
2001-2007	Text editor for approx. 60% of all refereed papers and chapters from SIAL
1997	Victoria University of Wellington Editorial Assistant for Construction Primer
1990- 99	Informal role as pre submission editor of academic publications

PhD

PhD thesis: 'Logic and intuition in architectural modelling: Philosophy of mathematics for computational design.'

Examiner comments:

Jane Burry's dissertation is an extraordinary piece of theoretical work while simultaneously serving evidence of an extraordinary body of research, practice, pedagogy and theoretical development... (Dr Dennis Shelden: passed without amendment)

I have no doubt that the work ...merits a PhD. In many ways it is the strongest, and certainly the most engaging, that I have ever read on architectural computation. (Professor Paul Richens: passed with minor amendments)

FUTURE PUBLICATIONS

- Guest edited issue of Architectural Design magazine contracted for September 2022
- Large format edited book on Sound of Space (2022/3) under review with Routledge

PUBLICATIONS

Authored Books (2)

Burrry, J., and M Burrry 2010. *The New Mathematics of Architecture*. 1 ed. London: Thames and Hudson. (256 pages, approx. 600 colour and B+W illustrations, approx. 217 x 235mm format published simultaneously in English, French and Dutch. Republished in paperback in 2012.)

Burrry M., and **Burrry, J.** 2016 Prototyping for Architects Thames & Hudson, 16/5/2016

Edited Books (2)

Burrry, J., Sabin, J., Sheil, R., Skavara, M., eds. FABRICATE 2020: *Making Resilient Architecture*, UCL Press, London. (in print and downloaded over 35,000 times worldwide)

Burrry, J., ed. 2013 *Designing the Dynamic: High Performance Sailing and real time feedback in design*, Melbourne Books, ISBN: 9781922129130.

Edited Conference Proceedings (3)

Gengnagel, C., Baverel, O., **Burrry, J.**, Ramsgaard-Thomsen, M., Weinzierl, S. (Eds.), *Design with All Senses*, Design Modelling Symposium Berlin, Springer 2019 ISBN : 9783030298296

Klaas De Rycke, Christoph Gengnagel, Olivier Baverel, **Jane Burrry**, Caitlin Mueller, Minh Man Nguyen, Philippe Rahm, Mette Ramsgaard Thomsen (Eds.), *Humanizing Digital Reality*, Design Modelling Symposium Paris 2017, Springer ISBN 978-981-10-6610-8 ISBN 978-981-10-6611-5 (eBook) <https://doi.org/10.1007/978-981-10-6611-5> (3 versions)

Reinhardt, Dagmar, Saunders, Rob, **Burrry, Jane (Eds.)**, 2016 *Robotic Fabrication in Architecture, Art and Design* 2016 Springer, (39 chapters, 472 pages, also published as an ebook: ISBN 978-3-319-26378-6)

Edited Journals

Hyoung-June Park, **Jane Burrry**, guest eds. *New Frontiers, International Journal of Architectural Computing*, vol. 9, 1: pp. iii-v., First Published March 1, 2011.

Book chapters (17)

Marschall M., **Burrry J.**, Tahmasebi F. (2020) Simulating Natural Ventilation in Early Stage Design: Combining an Occupant Behavior Model with an Airflow Network Approach. In: Gengnagel C., Baverel O., Burrry J., Ramsgaard Thomsen M., Weinzierl S. (eds) *Impact: Design With All Senses*. DMSB 2019. Springer, Cham

Latifi M., **Burrry J.**, Prohasky D. (2020) Make the Invisible Microclimate Visible: Mixed Reality (MR) Applications for Architecture and Built Environment. In: Gengnagel C., Baverel O., Burrry J., Ramsgaard Thomsen M., Weinzierl S. (eds) *Impact: Design With All Senses*. DMSB 2019. Springer, Cham

Pantea Alambeigi, Canhui Chen and **Jane Burrry**, Negotiating Sound Performance and Advanced Manufacturing in Complex Architectural Design Modelling in Klaas De Rycke, Christoph Gengnagel, Olivier Baverel, **Jane Burrry**, Caitlin Mueller, Minh Man Nguyen, Philippe Rahm, Mette Ramsgaard Thomsen(Eds.), *Humanizing Digital Reality, Design Modelling Symposium Paris 2017*, Springer ISBN 978-981-10-6610-8 ISBN 978-981-10-6611-5 (eBook) [https://doi.org/10.1007/978-981-10-6611-5_p627 - 638](https://doi.org/10.1007/978-981-10-6611-5_p627-638)

Jane Burrry, Capturing the Dynamics of Air in Design in Klaas De Rycke, Christoph Gengnagel, Olivier Baverel, **Jane Burrry**, Caitlin Mueller, Minh Man Nguyen, Philippe Rahm, Mette Ramsgaard Thomsen (Eds.), *Humanizing Digital Reality, Design Modelling Symposium Paris 2017*, Springer ISBN 978-981-10-6610-8 ISBN 978-981-10-6611-5 (eBook) [https://doi.org/10.1007/978-981-10-6611-5 pp 103-110](https://doi.org/10.1007/978-981-10-6611-5_pp103-110).

Burry, J., Material World in Ramsgard Thomsen, M., Tamke, M., Ayres, P., and Nicholas, P., 2015 *CITA works*, Riverside Architectural Press ISBN: 978-1-926724-72-0

Williams, N., Prohasky, D., **Burry, J.**, Crolla, K., Leary, M., Brandt, M., Xie, Y.m., Seifi, H., 2015. Challenges of Scale in Modelling Material Behaviour of Additive-Manufactured Nodes, Design Modelling Symposium Copenhagen, Springer.

Burry, J., Aranda Mena, G., Pena de Leon, A., Williams, M., Design Trade Off, Sailing as a vehicle for modelling dynamic trade-off in design In Burry, J., ed. 2013 *Designing the Dynamic: High Performance Sailing and real time feedback in design*, Melbourne Books, ISBN: 9781922129130.

Burry, J., Introducing the Dynamics of Design: Mechanisms and Teleology In Burry, J., ed. 2013 *Designing the Dynamic: High Performance Sailing and real time feedback in design*, Melbourne Books, ISBN: 9781922129130.

Burry, J., Dynamic Design Futures In Burry, J., ed. 2013 *Designing the Dynamic: High Performance Sailing and real time feedback in design*, Melbourne Books, ISBN: 9781922129130.

Williams, N. Cherrey, J. Peters, B. and **Burry, J.** 2013, 'HubPod: A prototypical design system for acoustically diffuse enclosures', in *Prototyping Architecture: The Conference Papers*, The Architecture & Urbanism Research Division, University of Nottingham, London, pp. 391-404 ISBN: 9780901919175

Burry, J., Williams, N., Peters, B., Cherrey, J. 2013 Serial and Persistent Prototyping Addressing Architectural Acoustics, in Gengnagel et al, *Rethinking Prototyping, Proceedings of the Design Modelling Symposium Berlin 2013*, Universität der Kunste Berlin, 639. ISBN: 978-3-89462-243-5

Tamke, M, Burry, M, Ayres, P, **Burry, J** & Thomsen, MR 2011, 'Design Environments for material Performance', *Computational Design Modelling*, pp. 309--318

Burry, J. 2011, Philosophy of mathematics for Computational Design: spatial intuition versus logic: In A. Menges and S. Ahlquist, *Computational Design Thinking..* London, Wiley.

Burry, J., and M. Burry 2011. Digital Technology and Australian architecture. In *Encyclopedia of Australian Architecture*, edited by P. Goad and J. Willis, Cambridge University Press.

Burry, J., Davis, D., Peters, B. Ayres, P., Klein, J. Pena deLeon, A. Burry. M. 2011 Modelling Hyperboloid Sound Scattering: The Challenge of Simulating, Fabricating and Measuring, in Gengnagel et al, *Computational Design Modelling, Proceedings of the Design Modelling Symposium Berlin 2011*, Springer.

Salim, F., and **J. Burry**. 2010. Software Openness: Evaluating Parameters of Parametric Modelling Tools to Support Creativity and Multidisciplinary Design Integration. In *Computational Science and Its Applications - ICCSA 2010*. Berlin/Heidelberg: Springer, 483-497.

Andrew Burrow, **Jane Burry**. 2006. Working with Wikis, by Design. In, *Architectural Design*, Special Edition: Collective Intelligence in Design edited by H. Castle, C. Perry and C. Hight: Academy Editions, John Wiley and Sons.

Refereed Journal Articles (20)

J Burry, M White, From 'T' to 'π(pi)-shaped people: Better Urban Practice through Dual Depth in Architecture and Planning Education, *Architectural Design* 90 (3), 114-121

KR Barber, **JR Burry**, C Chen, JM Gattas, A Bukauskas, 2020 Inventory constrained design of a timber funicular structure, *Springer Nature Applied Sciences* 2 (9), 1-19 [www.doi.org/10.1007/s42452-020-03314-9](https://doi.org/10.1007/s42452-020-03314-9)

Alambeigi, P., Burry, J., Zhao, S., Cheng, E., (2020) A study of human vocal effort in response to the architectural auditory environment. *Architectural Science Review*. [doi: 10.1080/00038628.2019.1708259](https://doi.org/10.1080/00038628.2019.1708259)

S Watkins, J Burry, A Mohamed, M Marino, S Prudden, A Fisher, N Kloet, 2020. Ten questions concerning the use of drones in urban environments, *Building and Environment*, 106458, ISSN:

03601323

S Pink, **J Burry**, Y Akama, X Qiu Experience and Imagination in Transdisciplinary Design: The FabPod, *Architecture and Culture* 6 (2), 307-328

Loh, P., **Burry, J.**, Wagenfeld, M., 2016 Reconsidering Pye's Theory of Making through Digital Craft Practice: A theoretical Framework towards continuous designing, *Craft Research*, Volume 7, Number 2, 1 September 2016, pp. 187-206(20)

Williams, N., **Burry, J.**, Davis, D., Peters, B., Pena de Leon, A., Burry, M. FabPod: Designing with temporal flexibility & relationships to mass customisation in *Automation in Construction* Vol 51, March 2015, Pages 124-131.

Zhao, S. Qiu, X. Cheng, E. Burnett, I. Williams, N. **Burry, J.** and Burry, M. 2015, 'Sound quality inside small meeting rooms with different room shape and fine structures', in *Applied Acoustics*, Elsevier Ltd, United Kingdom, vol. 93, pp. 65-74 ISSN: 0003-682X

Burry, J., 2014, The Construction of a Problem: architecture modeling after Descartes, in eds. Koch, D. and Pablo Miranda Carranza, *Models and Diagrams in Architectural Design, Journal of Space Syntax*, <http://joss.bartlett.ucl.ac.uk/journal/index.php/joss/article/view/214/pdf>

Khoo, C. **Burry, J.** and Burry, M. 2013, 'Lumina: a responsive luminous material for architectural skins design', in *Advanced Materials Research*, Trans Tech Publications, Switzerland, vol. 622, pp. 182-186 ISSN: 1022-6680

Salim, Flora D.; **Jane R. Burry**, Juliette Peers and Jenny Underwood, 2012, Augmented Spatiality in *International Journal of Architectural Computing* vol. 10 - no. 2, 275-300

Davis, Daniel, **Jane Burry**, and Mark Burry. 2011. "Understanding Visual Scripts: Improving collaboration through modular programming." *International Journal of Architectural Computing* 09 (04): 361-376.

[Chin Koi Khoo, Flora Salim, Jane Burry, Designing Architectural Morphing Skins with Elastic Modular Systems](#) *International Journal of Architectural Computing*, vol. 9, 4: pp. 397-419., First Published December 1, 2011.

Flora Salim, Hugo Mulder & **Jane Burry**, 2011, Form Fostering: A novel design approach for interaction and responsive architecture modeling in the mixed reality in R. Pathmeswaran, V. Ahmed, C. Anumba eds. *The Journal of Information Technology in Construction (ITCON)* 16 special edition: *Use of Gaming and Virtual World technology in Architecture*: 15.

Burry, J. 2010. The shifting ground of architectural geometry: getting to know the new representational space. *Architectural Theory Research* 15 (2): 14.

Jane Burry, Andrew Maher, (2008) The Other Mathematical Bridge, *Nexus Network Journal* Vol 10 No 1 Birkhäuser Basel ISSN1590-5896 (Print) 1522-4600 (Online)

Burry, Jane R. 2007. Mindful Spaces, Computational Geometry and the Conceptual Spaces in which Designers Operate,. *International Journal of Architectural Computing* 5 (4), 611.

Jane Burry, Andrew Maher, 2007. Building Bridges. In *Architectural Design Research Vol 2, issue 1*, Brent Allpress and Michael Ostwald eds. Association of Architecture Schools of Australasia (AASA), 115-136.

Jane Burry, Mark Burry, 2006. GAUDÍ AND CAD. In *The Journal of Information Technology in Construction (ITCON)*, special edition: *The Effect of CAD on Building Form and Design Quality*. guest editor Robert Howard,

Burry, Jane; Felicetti, Peter; Tang, Jiwu; Burry, Mark; Xie, Mike 2005. Dynamical structural modeling A collaborative design exploration. *International Journal of Architectural Computing* 3 (1): 27-42

Professional Journals (1)

Burry J.R., Burry, M.C., New Testament, RIBA Journal, UK, June 2002

Refereed Conference papers (79)

Muehlbauer, Manuel, Song, Andy and **Burphy, Jane** (2020) Smart Structures - A Generative Design Framework for Aesthetic Guidance in Structural Node Design - Application of Typogenetic Design for Custom-Optimisation of Structural Nodes, Werner, L and Koering, D (eds.), *Anthropologic: Architecture and Fabrication in the cognitive age - Proceedings of the 38th eCAADe Conference - Volume 1*, TU Berlin, Berlin, Germany, 16-18 September 2020, pp. 623-632
http://papers.cumincad.org/cgi-bin/works/Show?ecaade2020_411

M Muehlbauer, **J Burry**, A Song, (2020) An Aesthetic-Based Fitness Measure and a Framework for Guidance of Evolutionary Design in Architecture, *International Conference on Computational intelligence in Music Sound, Art and Design (part of EvoStar)* Springer, Cham. 134-149

KR Baber, JR Burry, C Chen, JM Gattas, A Bukauskas, Inventory Constrained Funicular Modelling, *Proceedings of IASS annual Symposia 2019* (5), 1-10

Marschall, Max and **Burphy, Jane** (2019) Can the Use of Stochastic Models of Occupants' Environmental Control Behavior Influence Architectural Design Outcomes? - How field data can influence design outcomes, M. Haeusler, M. A. Schnabel, T. Fukuda (eds.), *Intelligent & Informed - Proceedings of the 24th CAADRIA Conference - Volume 1*, Victoria University of Wellington, Wellington, New Zealand, 15-18 April 2019, pp. 715-724 http://papers.cumincad.org/cgi-bin/works/Show?caadria2019_345

M Marshall, F. Tahmasebi, **J Burry**, Including Occupant Behavior in Building Simulation: Comparison of a Deterministic vs. a Stochastic Approach, *Simulation Series*, 51 (8), 185-188

M Marshall, **J Burry**, (2019) Adaptive occupancy scheduling: exploiting microclimate variations in buildings, *Proceedings of the Symposium on Simulation for Architecture and Urban Design (SIMAUD)*1-8. <https://dl.acm.org/doi/pdf/10.5555/3390098.3390116> (Best Paper Award)

Chen, Canhui; Burry, Jane (2018) [\(Re\)calibrating Construction Simplicity and Design Complexity](#), *ACADIA // 2018: Recalibration. On imprecision and infidelity. [Proceedings of the 38th Annual Conference of the Association for Computer Aided Design in Architecture (ACADIA) ISBN 978-0-692-17729-7]* Mexico City, Mexico 18-20 October, 2018, pp. 386-393
http://papers.cumincad.org/cgi-bin/works/Show?acadia18_38

Alison de Kruiff, Flavia Marcello, Jeni Paay, Erik Champion, **Jane Burry**, 2018 Learning from Lost Architecture: Immersive Experience and Cultural Experience as a New Historiography, *Historiographies of Technology and Architecture, Proceedings of the Society of Architectural Historians in Australia and New Zealand 2018*, 113-126

Max Marschall, Yazid Ninsalam, Jane Burry, 2018, Aerial weather stations and the quest to understand built environments, *Digital Landscape Architecture*, www.digital-la.de

Manuel Muehlbauer, **Jane Burry**, Andy Song, [Automated shape design by grammatical evolution](#) 2017/4/19 *International Conference on Evolutionary and Biologically Inspired Music and Art*, Springer, Cham, 217-229.

M Muehlbauer, **J Burry**, A Song, Towards Intelligent Control in Generative Design in *Future Trajectories of Computation in Design, Proceedings of CAAD Futures 2017*(Best Paper Award)

Pantea Alambeigi, Canhui Chen, **Jane Burry**, Eva Cheng, Shape the Design with Sound Performance Prediction: A Case Study for Exploring the Impact of Early Sound Performance Prediction on Architectural Design in *the Proceedings of CAAD Futures*, Istanbul 2017.

Pantea Alambeigi, **Jane Burry**, Eva Cheng, Investigating the Effects of the Geometry on Speech Privacy of Semi Enclosed Meeting Spaces, in eds Michela Turrin, Brady Peters, William O'Brien, Rudi Stouffs, Timur Dogan *SimAUD Proceedings 2017*<http://scs.org/wp-content/uploads/2017/05/SimAUD-2017-Proceedings.pdf>

K Crolla, N Williams, M Muehlbauer, **J Burry**, SMARTNODES PAVILION Towards Custom-optimized Nodes Applications in Construction, *22nd CAADRIA Conference 2017*, 467-477.

- M Haeusler, Muehlbauer, M., Bohnenberger, S., **Burry, J.** Furniture design using custom-
22nd International Conference of the Association for Computer-Aided Architectural Design Research in Asia 2017 pp841-851
- Max Marschall, Yazid Ninsalam, **Jane Burry**, "Aerial weather stations and the quest to understand built environments" in *Journal of Digital Landscape Architecture*, 2017 pp291.
https://gispoint.de/fileadmin/user_upload/paper_gis_open/DLA_2018/537642031.pdf
- DJ Prohasky, N Williams, **J Burry**, Breathable Cladding–Designing Climate-Adapted Filtering for Precipitation, Airflow and Luminance, *Proceedings of IASS Annual Symposia 2016* (19), 1-10
- Muehlbauer, M., Cheng, N., Khorasgani, M. L., McCarthy, J. and **Burry, J.** Air low Visualisation Towards the Design of Breathing Skins, *SimAUD 2016* (Best Paper Award)
- Latifi, M., Prohasky, D. **Burry, J.**, Moya, R., McCarthy, J. and Watkins, S, Breathing Skins for Wind Modulation through Morphology: Towards integrating turbulence studies within tectonic scale for design of façade components, *CAADRIA 2016*, pp. 219-228
- Alambeigi, P., Sipei Z., **Burry, J.** and Xiaojun Q. (2016) Complex human auditory perception and simulated sound performance prediction, in *Living Systems and Micro-Utopias: Towards Continuous Designing, Proceedings of the 21st International Conference on Computer-Aided Architectural Design Research in Asia (CAADRIA 2016)* pp. 631-640
- Loh, P., **Burry, J.** and Wagenfeld. M. (2016) Workmanship of Risk: continuous designing in digital fabrication, *Living Systems and Micro-Utopias: Towards Continuous Designing, Proceedings of the 21st International Conference on Computer-Aided Architectural Design Research in Asia (CAADRIA 2016)*, pp. 651-660
- Prohasky, D., Moya Castro, R., Watkins. S. and **Burry, J.** (2016) Design Driven Physical Experimentation: A flexible wind sensing platform for architects, *Living Systems and Micro-Utopias: Towards Continuous Designing, Proceedings of the 21st International Conference on Computer-Aided Architectural Design Research in Asia (CAADRIA 2016) / Melbourne 30 March–2 April 2016*, pp. 239-248
- Alambeigi, P., Sipei Zhao, **Burry, J.**, Xiaojun Qiu, 2015, Complex Auditory Perception and Simulated Sound Performance Prediction: A case study for investigating methods of sound performance evaluations and corresponding relationship, *CAADRIA 2016* 30 Mar-1 April 2016
- Xiaojun Qiu, Eva Cheng, Ian Burnett, Nicholas Williams, **Jane Burry**, Mark Burry, 2015, Preliminary Study on the Speech Privacy Performance of the FabPod, *Acoustics 2015*, Hunter Valley 15-18 November 2015
- Belesky, P., Monacella, R., Burry, M, **Burry, J.** Testing Grounds, *ACADIA 15*.
- Williams, M., **Burry, J.**, Rao, A. Graph Mining Indoor Tracking Data for Social Interaction Analysis, *CoMoRea2015, 11th Workshop on Context and Activity Modeling and Recognition*, St Louis Missouri 23 March 2015.
- Cheng, Nancy Y.; Mehrnoush Latifi Khorasgani, Nicholas Williams, Daniel Prohasky and **Jane Burry** (2015) Understanding Light in Building Skin Design, *Emerging Experience in Past, Present and Future of Digital Architecture, Proceedings of the 20th International Conference of the Association for Computer-Aided Architectural Design Research in Asia (CAADRIA 2015) / Daegu 20-22 May 2015*, pp. 323-332
- Williams, M., Moya, R., Prohasky, D., Latifi, M., Watkins, S., Burry, M., **Burry, J.**, Belesky, P. A Physical and Numerical Simulation Strategy to Understand the Impact of the Dynamics in Air for the Design of Porous Screens, *SimAUD2015, Simulation for Architecture and Urban Design*, Washington, DC, USA, April 12-15 2015.
- Williams, M., **Burry, J.**, Rao, A., Williams, N. A System for tracking and Visualizing Social Interactions in a Collaborative Work Environment, *SimAUD2015, Simulation for Architecture and Urban Design*, Washington, DC, USA, April 12-15 2015.
- Khorasgani, Mehrnoush Latifi; Prohasky, Daniel; **Burry, Jane**; Akbarzadeh, Akbar; Williams, Nicholas; 2014, ROBOTHERMODON: An Artificial Sun Study Lab with a Robot Arm and Advanced Model Platform -A Thermal Heliodon (STEVE: Solar Thermal Evaluation Experiment), *ACADIA 14: Jane Burry: Curriculum Vitae*

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Moya, Rafael; Simon Watkins, Yan Ding, **Jane Burry** and Mark Burry (2014) Aerodynamic Features as Auxiliary Architecture, *Rethinking Comprehensive Design: Speculative Counterculture, Proceedings of the 19th International Conference on Computer-Aided Architectural Design Research in Asia (CAADRIA 2014) / Kyoto 14-16 May 2014*, pp. 295–304 http://cumincad.scix.net/cgi-bin/works/Show?caadria2014_046

Williams, Mani; **Jane Burry** and Asha Rao (2014) Applying Social Network Analysis to Design Process Research, A Case Study, *Rethinking Comprehensive Design: Speculative Counterculture, Proceedings of the 19th International Conference on Computer-Aided Architectural Design Research in Asia (CAADRIA 2014) / Kyoto 14-16 May 2014*, pp. 481–490 http://cumincad.scix.net/cgi-bin/works/Show?caadria2014_255

Williams, M., **Burphy, J.**, Salim, F., Nielsen, S., Peña de Leon, A., Sharaidin, K. and Burry, M., (2013) A multimodal toolkit for thermal performance feedback in conceptual design modelling in Adaptive Architecture, *Proceedings of the 33rd Annual Conference of the Association for Computer Aided Design in Architecture ACADIA 2013*.

Williams M., **Burphy, J.**, Salim F., Nielsen S., Peña de Leon, A., Sharaidin, K., and Burry, M., 2013, A multimodal toolkit for thermal performance feedback in conceptual design modelling, DADA 2013 Conference Proceedings, Tsinghua University 27-28 September.

Burphy, J. Williams, N. Cherrey, J. and Brady, P. 2013, 'FabPod: Universal digital workflow, local prototype materialisation', in *Global Design and Local Materialization*, J. Zhang and C. Sun (ed.), Springer, Shanghai, China, pp. 176-186 (15th International Conference, CAAD Futures 2013)

Williams, N. Cherrey, J. Peters, B. and **Burphy, J.** 2013, 'HubPod: A prototypical design system for acoustically diffuse enclosures', in *Prototyping Architecture Conference: The Conference Papers*, Michael Stacey (ed.), Building Centre Trust, London, United Kingdom, pp. 391-404 (Prototyping Architecture Conference)

Peña De León, Alexander; **Jane Burry**, Daniel Davis, Nick Williams, Mark Burry and Michael Wilson (2013) A Flexible Automated Digital Design for Production Workflow, *Open Systems: Proceedings of the 18th International Conference on Computer-Aided Architectural Design Research in Asia (CAADRIA 2013) / Singapore 15-18 May 2013*, pp. 643-652

Salim, Flora; **Jane Burry** and Jenny Underwood (2013) Augmenting Public Spaces with Live Forms and Fabrics – Integrating Mechatronics and Textiles to Provoke Social Interactions in Public Spaces, *Open Systems: Proceedings of the 18th International Conference on Computer-Aided Architectural Design Research in Asia (CAADRIA 2013) / Singapore 15-18 May 2013*, pp. 965-974

Williams, Nick; Daniel Davis, Brady Peters, Alexander Peña De León, **Jane Burry** and Mark Burry (2013) FabPOD: An Open Design-to-Fabrication System, *Open Systems: Proceedings of the 18th International Conference on Computer-Aided Architectural Design Research in Asia (CAADRIA 2013) / Singapore 15-18 May 2013*, pp. 251-260

Brady, P. **Burphy, J.** Williams, N. and Davis, D. 2013, 'HubPod: developing design strategies around acoustic simulation', in 2013 Proceedings of the Symposium on Simulation for Architecture and

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Burry, J., Burry, M., 2008. The Bonds of Spatial Freedom. In *Architecture in Computro [26th eCAADe Conference Proceedings / ISBN 978-0-9541183-7-2] Antwerpen (Belgium)* 17-20 September 2008

Jane Burry, Alastair Weakley, Keith Deverell, Laurene Vaughan, Jeremy Yuille, 2007. Scribble: Back to the Future of Visual Document Mark-up, *13th International Conference on Virtual Systems and Multimedia (VSMM 2007)*, 23-26 September 2007.

Jane Burry, 2007. Mathematical Relations in Architecture and Spatial Design, *Mathematics Education in a Global Community* Sept 7-12 2007.

Jane Burry, Mark Burry, 2006. Sharing Hidden Power, Communicating Latency in digital models, *Proceedings of the 24th conference on Education and Research in Computer Aided Architectural Design in Europe(eCAADe)*.

Maher, A & **Burry, J** 2006, The Re-Engineering Project: Developing Pedagogical Frameworks for Early Stage Collaborative Design between Engineers and Architects, paper presented to Synthetic Landscapes [*Proceedings of the 25th Annual Conference of the Association for Computer-Aided Design in Architecture*], Louisville, Kentucky.

Jane R. Burry, Andrew L. Burrow, Mark C. Burry, 2005. Upholding the Poetic in Design Collaboration, CAADRIA 2005 [*Proceedings of the 10th International Conference on computer Aided Architectural Design Research in Asia / ISBN 89-7141-648-3*] New Delhi (India) 28-30 April 2005, vol. 1, pp. 288-299 http://cumincad.scix.net/cgi-bin/works/Show?caadria2005_a_7b_d

Burry Jane, BURROW Andrew, AMOR Robert and BURRY Mark, 2005, Shared Design Space, *Computer Aided Architectural Design Futures 2005 [Proceedings of the 10th International Conference on Computer Aided Architectural Design Futures / ISBN 1-4020-3460-1]* Vienna (Austria) 20-22 June 2005, pp. 217-226 http://cumincad.scix.net/cgi-bin/works/Show?cf2005_1_44_228

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Burry, J., Felicetti, P., Tang, J., Burry, M., Xie, M., 2004. Dynamical Structural Modeling: A Collaborative Design Exploration, in *Architecture and the Network Society, Proceedings of the 22nd conference on Education and Research in Computer Aided Architectural Design in Europe*, Copenhagen, Denmark, 15-18 September 2004.

Burry, J., Maher, A., Taylor, M., Burry, M., 2003. Educational experiments in design project sublimation, *The Second International Conference of the Association of Architecture Schools of Australasia*, Melbourne University, Australia., 28-30 September 2003.

Burrow, A., **Burry, J.**, More, G., Tengono, Y., Burry, M. 2003. Visual and Sonic Communication Representations to Support Design Interaction, the 8th CAADRIA conference 2003, Rangsit University in Thailand 18-20 October 2003.

Burry, J., Burry, M. 2003. Introducing Simple Arithmetic and Geometric series in complex parametric modelling, *The Joint Meeting of ISAMA 2003 and the 6th Annual Bridges Conference* at the University of Granada in Spain 23-25 July 2003.

Burry, J., Burry, M. 2003. Fat Design , Lean Construction Management, *28th Annual AUBEA conference*, Deakin University, Australia 9-11 July 2003.

Amor, R., **Burry, J.**, Fischer, T., Burry, M., Woodbury, R., 2002. Ontology Specification for Design Communication. ANZAScA conference, Deakin University, Nov 2002.

Burrry, J., Dunlop, G., Burrry, M., 2002. Sharing Thoughts, Reflection as Architectural Design, How We Reflect Together. Additions SAHANZ conference, University of Queensland, October 2002

Burrry, M.C., **Burrry, J.R.**, Dunlop, G.M., Maher A., & Anson S., 2001. Simple Computer Programming to Enhance Spatial Cognition in Architecture and Design Presented at SIRC 2001 – The 13th Annual Colloquium of the Spatial Information Research Centre

Burrry, J. R., Dunlop, G.M., Maher A., Burrry M., 2001. Drawing Together Euclidean and Topological Threads. *SIRC 2001. The 13th Annual Colloquium of the Spatial Information Research Centre*, University of Otago, Dunedin, New Zealand December 2nd–5th 2001.

Burrry, M.C., **Burrry, J.R.**, Faulí, J. Sagrada Família Rosassa: Global Computer-Aided Dialogue between Designer and Craftsperson (Overcoming Differences in Age, Time and Distance). *ACADIA 2001* State University of New York, Buffalo, New York, USA October 11-14, 2001.

Burrry J.R., Dunlop G.M., Burrry, M.C., In search of the Elusive, *Third International Mathematics and Design Conference*, Deakin University, Australia, July 3-5 2001.

Creative Outputs: Excellence in Research Australia (ERA) accredited

Suspended Remnants at Future Prototyping Exhibition, 2020 Melbourne. Awarded 2020 Australian Good Design Award (Gold) (Swinburne ranked 1st Class)

Inventory Constrained Funicular Model Kim Baber, **Jane Burrry**, Canhui Chen, Joseph Gattas, Aurimas Baukauskas selected for exhibition at IASS 2019 international conference prototyping competition, Barcelona

FabPod II prototype, Canhui Chen, **Jane Burrry**, Pantea Alambeigi, Daniel Prohasky selected for exhibition at Future Prototyping Exhibition, 2020 Melbourne.

Genius Fungi Manufactured Meduscutoid Mycelium Marcus White Mehrnouch Latifi Daniel Prohasky Canhui Chen **Jane Burrry** 2nd Annual Design Research Conference 2019, Monash University Caulfield, Australia | 3 & 4 October 2019| Monash University, Melbourne Video + 3D Site model + Mycelium Cells 1:5 prototype. Originally submitted in the NGV pavilion competition.

Dynamics of Air Exhibition Malte Wagenfeld, **Jane Burrry**, invited curators, 2018, RMIT Gallery 14 September – 17 November 2018

Dynamics of Air Catalogue Malte Wagenfeld, **Jane Burrry**, Designer: Paul Hogan, RMIT Gallery, November 2018, Edition 200, ISBN: 978-0-9925156-8-3 (Swinburne rated 1st Class 2020)

Air, **Jane Burrry** with Swinburne Bureau, Digital print on 200gsm matte uncoated paper Six posters: 118.9 x 84.1 cm each Courtesy of the artist and Swinburne University of Technology Exhibited in the Dynamics of Air Exhibition, 2018, RMIT Gallery, 14-September – 17 November 2018. (Swinburne rated: a strong 2nd class NTRO 2020)



Glimpses from Dynamics of Air Exhibition 2018, © RMIT Gallery showing how over 5000 gallery visitors were engaged with the topic of air in human aesthetic, health and environmental ways through exhibits and events.

Sagrada Família Basilica: Passion Façade Narthex – Design 2001-2007, Production and documentation: 2007-2013, Construction completed 2017

Smartnodes Pavilion exhibited Engineers Australia 2014, REAL2015 California, IASS Amsterdam 2015. Williams, N. Crolla, K. Sitler, B., Maher, A., **Burrry, J.**

Smartnodes Printed metal nodes exhibited Engineers Australia 2014, REAL2015 California, IASS Amsterdam 2015. Williams, N. Crolla, K. Sitler, B., Maher, A., **Burrry, J.**

Penumbra: interactive façade concept prototype, exhibited at *the Future is Here*, subject of

Provisional Patent. Blythe, R. Minifie, P. van Schaik, J. Mitchell, S. Williams, N., Prohasky, D. and **Burry, J.**

'The FabPod: An acoustically tuned meeting room prototype', *Victorian Premiers Design Awards*, Victorian State Government, Melbourne, Australia. Williams, N. Cherrey, J., Burry, M., Peters, B. and **Burry, J.**

'Prototype cells: Acoustic diffusion wall system', *Prototyping Architecture*, The University of Nottingham, Nottingham, UK. Williams, N. Cherrey, M. and Peters, B., **J. Burry.**

'System concept and prototype: FabPod', *Applied*, California College of the Arts, San Francisco, San Francisco and Arlington, US. Williams, N. Cherrey, M. and Peters, B., **J. Burry.**



Enduring built prototype examples: FABPOD I semi open acoustic meeting pod using shape and materiality to shape sound quality and speech privacy. images: ©John Gollings, FABPOD II, and Suspended Remnants

2009

'The Mathematics of Architecture', in *The Nascent Present exhibition the State of Design Festival*, Building 45, RMIT University, Melbourne, Australia **Burry, J.**, Burry, M. and Miller, A. 2009.

INVITED PUBLIC/KEYNOTE LECTURES

- 2020
- ACADIA 2020 conference, USA, Award presenter 'Logic and Intuition', 26 Oct
 - FABRICATE 2020 Invited Co-Chair of the UCL- founded international conference with Professor Jenny Sabin, Cornell University; conference organisation, all introductory presentations 9-12 Sept
 - Innovation + Emerging Industries (IEID) conference Invited presenter, China 16 Sept, 'Architectural Dynamics in the Era of AI'
 - Digital Fabrication Post-COVID-19: Rethinking Construction Techniques, MSD, Melbourne, Invited presenter: 'Fabricating for the senses and using waste product', 24 June.
 - MPavilion Fabrication Futures public event panellist, Melbourne Design Week 15 March
- 2019
- Invited keynote CoDe Conference, University of New South Wales, 6 December 'Architectural Dynamics'
 - Invited lecture University of Western Australia 11 September 'Architectural Dynamics'
- 2018
- Invited lecture in Bartlett, UCL Public Lecture series 12 December 'Architectural Design Dynamics'
- 2017
- Asia University, Taiwan- 21 Dec 2017
 - IAAC – Design Dynamics 11 Dec 2017
 - HKPU – Leadership Forum on Design Education 4 Dec 2017
 - Design Modeling Symposium, Paris September – 2 invited keynotes
 - Build NZDesignEX, Auckland, June 27
 - Grimshaw Architects Invited lecture Breakfast 21 June
 - Aurecon Design Academy invited lecture May
 - Concrete Association, Melbourne 16 May

- The Language of Practice Symposium invited presentation UTS 5 May
MelBim 16 March
- MIT – Invited presentation to March Students 16 February
- American Association for the Advancement of Science: The new Mathematics of Making in Future of Digital Fabrication Session with Jonas Buchli, dfab + ETH, Ronald Rael, Berkeley. 17 February
- 2016 Invited presentation to Bates Smart, Melbourne
Lightweight Structures Association of Australasia (LSAA)
- 2015 IASDR 2015 Keynote: Interplay 'Designing with Dynamic Phenomena'
CAAD Futures Keynote, Brazil: The Next City 'Researching the Sensate City'
Invited lecture SUTD, Singapore
- 2014 Before BIM, Melbourne, 19 November 2014 ' Temple Sagrada Família'
Eresearch Australasia 2014, Melbourne, 'Dynamics in Architecture' 28/10
Inside 3D Printing, Melbourne Exhibition Centre, Melbourne, 'Inside 3D Printing at the Sagrada Família' July.
DIALOGues, Brisbane, 'Technology and Design: the Perfect Match?' 5/8
- 2014 Dangerous Opportunities: Australia, Europe and Design in the Asian Century, Barcelona, 'Playful Play: Collaboration in Design: Design in Collaboration' 8/4/14.
- 2011 IAAC, Barcelona, Public Lecture series, 12 December
AA X-change Independents conference, invited speaker, 6 October.
QUT School of Design, invited presentation, 6 May.
Brisbane Computational Design Group, invited speaker, 5 May.
Melbourne Computational Design Group, 23 February
Invited co-presenter at Smart Geometry evening symposium CITA 29/3.
Invited presentation at *Deep Practice*, the second DRI Transdisciplinary Design Research symposium 25. March
- 2010 Invited public lecture at the Architectural Association in London 29. Oct. 'The New Mathematics of Architecture.'

INTERNATIONAL CONFERENCE PRESENTATIONS

- 2013 CAADRIA 2013, Singapore, CAAD Futures 2013, Tongji, China.
- 2012 eCAADe 2012, Prague,
- 2011 Design Modelling Symposium Berlin, 2011.
- 2010 CAADRIA 2010, Chinese University, Hong Kong, ECAADE 2010, ETH, Zurich
- 2009 ECAADE 2009, Istanbul
- 2008 Advances in Architectural Geometry, Vienna, ECAADE 2008, Antwerp
- 2007 SMARTGEOMETRY workshop and conference, New York, invited tutor.
MATHEMATICS IN 21ST CENTURY conference, North Carolina
- 2006 GC Summit at Bentley Users Conference, invitation, ECAADE 2006, Greece
- 2005 CAAD FUTURES 2005, Vienna
- 2004 ECAADE 2004, Copenhagen, SAHANZ 2004, Melbourne
- 2003 ISAMA 2003, Granada, AASA 2003, Melbourne
- 2002 ANZASCA 2002, Geelong, Australia. SAHANZ 2002, Brisbane

2001

SIRC 2001, Dunedin, NZ

MEDIA

TV episode of *Sacred Spaces* featuring Swinburne Advanced Manufacturing and Design Centre building 28 May 2018 with Glenford noble

Radio interview on Radio National *By Design* program with the late Alan Saunders 20 October 2010
<http://www.abc.net.au/rn/bydesign/stories/2010/3042730.htm>

RMIT Making Connections 2012

Liquid Stone: Unlocking Gaudi's Secrets, film by Polly Watkins, aired numerous times internationally and on ABC 60 minutes (2009)

LANGUAGES OTHER THAN ENGLISH (native)

	spoken	written	Aural comprehension	reading
Spanish	everyday	good	excellent	good
Catalan	everyday	good	excellent	good
French + German	basic	good	good	good