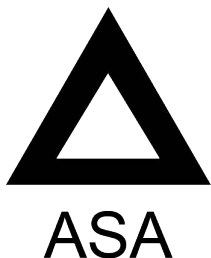


ASA2015 Program

Tuesday 1st December 2015			
18.00 - 21.00	Welcome Reception (MSD Japanese Terrace)		
Wednesday 2nd December 2015			
08.00 - 09.00	Registration (MSD Ground floor foyer) and Coffee (MSD-B115)		
09.00 - 09.30	Conference Opening and Welcome (MSD-B117) Professor Daryl Le Grew (Dean, Faculty of Architecture, Building and Planning, The University of Melbourne) Chris Jensen (ASA2015 Conference Chair)		
09.30 - 10.30	Keynote (MSD-B117) Professor Brian Dunbar		
10.30 - 11.00	Morning Tea (MSD-B115)		
11.00 - 12.30	Architecture and Environment	Built Environment Performance Assessment	Building and City Information Modelling
	Parallel Session 1a (MSD-138)	Parallel Session 1b (Singapore Theatre)	Parallel Session 1c (Malaysian Theatre)
	Chair: Dominique Hes	Chair: Mark Dewsbury	Chair: Dominik Holzer
	Residential adaptive reuse in inner city Melbourne (11) <i>Andrys Onsman</i>	Building Energy Simulation, CFD and prototype testing to design an effective Under Floor Air Distribution System (22) <i>Matthew Webb</i>	The principles of a classification system for BIM: Uniclass 2015 (40) <i>John Edwin Gelder</i>
	Investigating energy and indoor environmental performance of aquatic centres (82) <i>Priyadarsini Rajagopalan</i>	Actual performance of naturally ventilated and air-conditioned Green Star certified office buildings in New Zealand (234) <i>Hemyza Budin</i>	Neighbourhood Information Models: 3D digital tools supporting surveyor-architect-planner workflows (81) <i>Simon D. Cookes</i>
	Drivers and barriers to heatwave-resilient building retrofitting in the Australian context (140) <i>Gertrud Hatvani-Kovacs</i>	Optimisation of energy consumption and daylighting using building performance surrogate model (265) <i>Onur Dursun</i>	Modeling the carbon footprint of urban development: a case study in Melbourne (164) <i>Siqing Chen</i>
	Precipitation and buildings: estimation of the natural potential of locations to sustain indirect evaporative cooling strategies through hot seasons (162) <i>Claudio Aurelio Diaz Sandoval</i>	Evaluating building design for thermal comfort with single rating parameter- hot-dry region of India (272) <i>Avlokita Agrawal</i>	Investigating thermal comfort and occupants position impacts on building sustainability using CFD and BIM (242) <i>Cheng Zhang</i>
12.30 - 13.30	Lunch (MSD Atrium)		
13.30 - 15.00	Architecture and Social Research	Buildings and Energy	Building and City Information Modelling / Generative, Parametric & Evolutionary Arch.
	Parallel Session 2a (MSD-138)	Parallel Session 2b (Singapore Theatre)	Parallel Session 2c (Malaysian Theatre)
	Chair: Veronica Soebarto	Chair: Mark Luther	Chair: Ajibade Aibinu
	Pavement cafes as the activity zone in the social life of neighbourhood centres (10) <i>Leila Mahmoudi Farahani</i>	Operational energy consumption in Chilean social housing: Exploring the impacts of household changes (34) <i>Victor Bunster</i>	Coding randomness: accepting unpredictability in modular systems through the use of computation (60) <i>Filipe Afonso</i>
	Exploring relations between body, communication and agency in therapeutic space (13) <i>Stephanie Kathleen Liddicoat</i>	Household energy use in Uganda: existing sources, consumption, and future challenges (68) <i>Mark Raphael Owor Olweny</i>	Density comparisons in New Zealand and European housing (67) <i>Guy Marriage</i>
	Social participation in designing everyday spaces enabled by networked media: a case study of DIY rainbow crossing (50) <i>Homa Rahmat</i>	House size and future building energy efficiency regulations in Australia (219) <i>André Stephan</i>	BIM for procurement - procuring for BIM (72) <i>Dominik Holzer</i>
Stairway to health: an analysis for workplace stairs design and use (123) <i>Robyn Creagh</i>	Life cycle energy and large and small housing in New Zealand (248) <i>Iman Khajehzadeh</i>	Parametric design approach to Space Syntax methodology for designing a master layout (295) <i>Azad Hadji Khameneh</i>	
15.00 - 15.30	Afternoon Tea (MSD-B115)		
15.30 - 17.00	Modes of Production and Mass Customisation	Buildings and Energy / Built Environment Performance Assessment	Thermal Comfort, Lighting and Acoustics
	Parallel Session 3a (MSD-138)	Parallel Session 3b (Singapore Theatre)	Parallel Session 3c (Malaysian Theatre)
	Chair: Alberto Pugnale	Chair: Leena Thomas	Chair: Richard de Dear
	Urban prototypes: plywood architecture (41) <i>Yusef Patel</i>	Adapting Malaysian housing for smart grid deployment based on the first nationwide energy consumption survey of terrace houses (232) <i>Ahmad Haqqi Nazali Abdul Razak</i>	Comparing climate based daylight modelling with daylight factor assessment – implications for architects (19) <i>Astrid Roetzel</i>
	From research to practice: exploring 3D printing in production of architectural Mashrabiya (49) <i>Dustin Headley</i>	Analysis of urban morphological attributes and street level air pollution in high-density residential environments in Hong Kong (228) <i>Priyantha Sanath Edussuriya</i>	Negotiating technology change: the challenge of designing lighting with LEDs for domestic settings (73) <i>Ruth McDermott</i>
	Programming for prefab (105) <i>Duncan William Maxwell</i>	An early-stage design decision-support tool for selecting building assemblies to minimise a building's life cycle energy demand (302) <i>Isabella Czerniakowski</i>	Improving the impact of luminance contrast on the window appearance in a conventional office room: using supplementary lighting strategies (102) <i>Mehdi Amirkhani</i>
Digitally fabricated housing: tracking the evolution through two decades (254) <i>Kareem Elsayed</i>	A life cycle assessment approach to improving the energy performance of housing: a case study (312) <i>Chooi Si Chok</i>	Daylight enhancement and lighting retrofits in educational buildings (181) <i>Dilay Kesten Erhart</i>	

Thursday 3rd December 2015				
08.00 - 09.00	Registration (MSD Ground floor foyer) and Coffee (MSD-B115)			
09.00 - 10.00	Keynote (MSD-B117) Professor Donald Bates			
10.00 - 10.30	Morning Tea (MSD-B115)			
10.30 - 12.00	Buildings and Energy	Construction, Materials & Technology	Design Education and Design Research	Environmental and Landscape Architecture
	Parallel Session 4a (MSD-B117)	Parallel Session 4b (Singapore Theatre)	Parallel Session 4c (Malaysian Theatre)	Parallel Session 4d (MSD-138)
	Chair: Mark Dewsbury	Chair: Alberto Pugnale	Chair: Alison McDonald	Chair: Virginia Lee
	The effect of building and material service life on the life cycle embodied energy of an apartment building (208) <i>Abdul Rauf</i>	Saving the past: new challenges for earthquake prone buildings in New Zealand (36) <i>Chris Paul Murphy</i>	From a model to drawing and back: reversing the design process (95) <i>Aleksandra Raonic</i>	Wayfinding in traditional Chinese private gardens: a spatial analysis of the Yuyuan garden (169) <i>Peiman Amini Behbahani</i>
	Reforming housing regulation: delivering performance improvement together with affordability (210) <i>Robert Enker</i>	Identifying performance parameters in public-private partnerships: gauging the stakeholder perspective (90) <i>Ritika Batra</i>	Colourful language: researching architects' knowledge and use of colour (238) <i>Bahareh Motamed</i>	Looking for new futures for the springs in the Japanese city of Mito (246) <i>Takayuki Kumazawa</i>
	Does current policy on building energy efficiency reduce a building's life cycle energy demand? (220) <i>Robert H. Crawford</i>	Tackling the challenges of university campus management processes (116) <i>Chris Heywood</i>	Built pedagogy and architectural design in the architecture library of the Melbourne School of Design (257) <i>Blair Gardiner</i>	Management of business activities along streets; an often neglected aspect of urban design (252) <i>Morten Gjerde</i>
Bridging the gap – energy efficiency improvements for rental properties (221) <i>Koel Wrigley</i>	A critique on on-going retrofit approaches to existing high mass historic building forms with heat sink capacity (174) <i>Supun Rodrigo</i>	Rethinking architecture as a catalyst for sustainability (304) <i>Leena Elizabeth Thomas</i>	Bringing schools to life through a co-design learning approach with children (318) <i>Susan J. Wake</i>	
12.00 - 13.30	Lunch and MSD Tours (MSD Atrium)			
13.30 - 15.00	Thermal Comfort, Lighting and Acoustics	Construction, Materials and Technology	Design Education and Design Research	Architecture and Social Research
	Parallel Session 5a (MSD-B117)	Parallel Session 5b (Singapore Theatre)	Parallel Session 5c (Malaysian Theatre)	Parallel Session 5d (MSD-138)
	Chair: Susan Wake	Chair: Chris Murphy	Chair: Alison McDonald	Chair: Dominique Hes
	Understanding the changing thermal comfort requirements and preferences of older Australians (106) <i>Rachel Bills</i>	Erection of post-formed gridshells by means of inflatable membrane technology (8) <i>Alessandro Liuti</i>	Mapping a classification system to architectural education: investigating the relevance of classification systems in creative education (69) <i>Anders Hermund</i>	Measuring the impact of openness, enclosure, mystery and complexity: a meta-analysis of the results (128) <i>Annemarie S. Dosen</i>
	Investigation of the effect of balconies on natural ventilation of dwellings in high-rise residential buildings in subtropical climate (121) <i>Sara Omrani</i>	A simulation-based model for evaluating the performance of ready-mixed concrete (RMC) production processes (180) <i>Anna George Nellickal</i>	Constructing a professional education: a new architecture degree at Unitec 1994 (283) <i>Kerry Francis</i>	Negotiation of identities in the emergent cosmopolitan Indian landscape: analyses of the designs of new luxury high-rise apartments in neo-liberal India (141) <i>Dhara Patel</i>
	Introducing the SAMBA indoor environmental quality monitoring system (303) <i>Richard de Dear</i>	Collaborative creativity: building envelopes and construction innovation (243) <i>Blair Gardiner</i>	Educational architecture and architectural education: through Dar al-Fonun to Iranianised modern universities (285) <i>Faramarz Hassan Pour</i>	Learning from informal settlements: provision and incremental construction of housing for the urban poor in Davao City, Philippines (159) <i>Isidoro R. Malaque III</i>
Comfort models as applied to buildings (306) <i>Mark B. Luther</i>	Slender waste: reducing the girth of construction and demolition waste to landfill in Alice Springs (267) <i>Deepika Mathur</i>	Melbourne School of Design Building Archive: a unique learning resource (313) <i>Helen Morgan</i>	Green building design and visual persuasion on occupants' pro-environmental behaviors (274) <i>Susie Ruqun Wu</i>	
15.00 - 15.30	Afternoon Tea (MSD-B115)			
15.30 - 17.00	Built Environment Performance Assessment	Architecture and Social Research	Architecture and Environment	
	Parallel Session 6a (MSD-B117)	Parallel Session 6b (Singapore Theatre)	Parallel Session 6c (Malaysian Theatre)	
	Chair: Mark Luther	Chair: Veronica Soebarto	Chair: Dominique Hes	
	Measuring sky view factor of urban canyons using hacked Gopro hemispheric video processing (240) <i>Marcus White</i>	Accessible parking: are users voices heard within the built environment sphere? (25) <i>Mary Ann Jackson</i>	The physical and social aspects of retrofitting passive cooling strategies to timber school buildings and their surrounds in South East Queensland (79) <i>Lisa Johanna Kuir</i>	
	User satisfaction with academic buildings – findings from post occupancy evaluations (16) <i>Guy Marriage</i>	Perceptions of change in office space design: redesigning Barwon Water's office environment (239) <i>Jessica Chapman</i>	Sustainable schools as pedagogical tools for environmental education (118) <i>Parisa Izadpanahi</i>	
	Building as a learning tool: a student-centred POE approach to the Swanston Academic Building (SAB) (80) <i>Jin Woo</i>	How do people use large houses? (247) <i>Iman Khajehzadeh</i>	Sustainability vs. pedagogy: synergies and tensions to be resolved in the design of learning environments (144) <i>Philippa Soccio</i>	
The other half of the picture: post-occupancy evaluation for alignment of space and pedagogy (236) <i>Clare L. Newton</i>		The NSW demountable classroom: An analytical study to improve this radical building solution for education (163) <i>Ben Slee</i>		
17.20	Buses depart for MCG Tour			
18.00 - 19.00	MCG Tour (optional)			
18.20	Buses depart for Conference Dinner			
19.00 - 23.00	Conference Dinner (MCG), Keynote - John Wardle			



ASA2015
2-4 December
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ASA2015 Program

Friday 4th December 2015			
08.00 - 09.00	Registration (MSD Ground floor foyer) and Coffee (MSD-B115)		
09.00 - 10.30	Buildings and Energy	Built Environment Performance Assessment	Environmental and Landscape Architecture
	Parallel Session 7a (MSD-B117)	Parallel Session 7b (Singapore Theatre)	Parallel Session 7c (Malaysian Theatre)
	Chair: Veronica Soebarto	Chair: Mary Myla Andamon	Chair: Guy Marriage
	TRNSYS simulation and thermal performance of biomimetic façade designs (21) <i>Matthew Webb</i>	Quantitative exploration of winter living room temperatures and their determinants in 108 homes in Melbourne, Victoria (57) <i>Nicola Willand</i>	Urban growth and pedestrian thermal comfort (71) <i>Elmira Jamei</i>
	Massive timber as effective thermal mass in Australian contemporary housing (213) <i>Mark Dewsbury</i>	Evaluating the pedagogical effectiveness of learning spaces (146) <i>Benjamin Cleveland</i>	Using real-time data for understanding temperature behaviour in outdoor environments (142) <i>Wendy Walls</i>
	Influence of four outdoor complex fenestration systems on the solar heat gains of an office space in a semiarid climate (277) <i>Sergio Vera</i>	Human factors in naturally ventilated sedentary working environments (182) <i>Wajishani Gamage</i>	Landscape (design) futures: setting a context for continuing dialogue? (256) <i>Virginia Lee</i>
The next step in energy rating: the international ETVV method vs. BCA Section-J Glazing Calculator (300) <i>Mark Luther</i>	Using life cycle assessment to reduce the energy use and global warming impacts of a detached house in Melbourne, Australia (311) <i>Sheena Bagley</i>	Designing the twenty-first century urban park: design strategies for a warming climate (307) <i>Jillian Walliss</i>	
10.30 - 11.00	Morning Tea (MSD-B115)		
11.00 - 12.30	Thermal Comfort, Lighting and Acoustics	Built Environment Performance Assessment	Design Education and Design Research
	Parallel Session 8a (MSD-B117)	Parallel Session 8b (Singapore Theatre)	Parallel Session 8c (Malaysian Theatre)
	Chair: Richard de Dear	Chair: Rebecca Cameron	Chair: Alison McDonald
	Designing with thermal comfort indices in outdoor sites (101) <i>Wendy Walls</i>	The use of Integral Theory to evaluate architectural sustainability – a case study (9) <i>Astrid Roetzl</i>	Economic benefit of increased architectural involvement and design quality on the improvement value of prime commercial assets (103) <i>Maryam Litkouhi</i>
	A model for the cooling effect of air movement (115) <i>Lyrian Daniel</i>	The Australian construction industry's approach to embodied carbon assessment: a scoping study (135) <i>Monique Fouché</i>	Games and Chinese gardens: an equivocal experimental approach to a complex and subtle design genre (143) <i>Gregory Missingham</i>
	Simulating the thermal and daylight performances of a folded porous double façade for an office building in Cairo (250) <i>Salma El Ahmar</i>	Re-measuring density: alternative methods for assessing and progressing Australia's suburbs (245) <i>Alysia Bennett</i>	Wicked deliberations: research and design studios (175) <i>Gregory Missingham</i>
Thermal perceptions and microclimates of educational urban precincts in two different seasons in Melbourne (251) <i>Salman Shooshtarian</i>	Overcoming the "black box" approach of Urban Metabolism (261) <i>Aristide Athanassiadis</i>	Investigating the digital/analogue/cognitive collision through codified CNC mill watercolor painting (317) <i>Dustin Headley</i>	
12.30 - 13.30	Lunch (MSD Atrium)		
13.30 - 14.45	Architecture and Environment	Interactive Environments and Collaboration	Theory, Philosophy and Methodology
	Parallel Session 9a (MSD-B117)	Parallel Session 9b (Singapore Theatre)	Parallel Session 9c (Malaysian Theatre)
	Chair: Alison McDonald	Chair: Blair Gardiner	Chair: Dominique Hes
	Adoption of water conservation measures in buildings: case study in Johannesburg, South Africa (35) <i>Aghaebuna Obinna Ozumba</i>	How do we sketch with someone 1000 miles away?: distance collaboration for designers (98) <i>Dustin H. Headley</i>	The model and its operative significance in architecture: objects driving evolution in design research (27) <i>Yannis Zavoleas</i>
Fads, façade and face of building: a proposal for an urban university campus expansion (53) <i>Ann-Kathrin Kuepper</i>	Onsite and online: a 4-dimensional digital multi-disciplinary learning environment for construction industry professionals (168) <i>Chris Landorf</i>	Beyond the front elevation: a conceptual framework for re(thinking) facadism (85) <i>Oliver Jonathon Cheung Chin Yan</i>	
Living and learning in practice: University of Arizona Engineering Innovation Building (EIB) (298) <i>Mohamed Elzomor</i>	Flipped teaching: finding room for interdisciplinary content and peer learning (241) <i>Rebecca Cameron</i>	Biomimicry versus machinery: the notion of functionality in design (204) <i>Mehdi Azizkhani</i>	
14.45 - 15.15	Afternoon Tea (MSD-B115)		
15.15 - 17.00	Closing, Awards, ASA2016 Announcement and ASA AGM (Singapore Theatre) Chris Jensen (ASA2015 Conference Chair) Robert Crawford (ASA2015 Scientific Committee Chair) Veronica Soebarto (ASA President)		