Sunday	*PRE-WORKSHOP*		
March 13	Computer Lab 262, Faculty of Architecture, Design and Planning, 148 City Road, University of Sydney		
14:00–17:00	**PRE-WORKSHOP**		
	Grasshopper Introductory Course		Computer Lab 262, Faculty of Architecture, Design and Planning, 148 City Road, University of Sydney
Monday	*INDUSTRY WORKSHOPS*		
March 14	Pier 2/3, 13 Hickson Road, Walsh Bay (except Delcam PowerMill)		
09:00–10:00	**REGISTRATION / COFFEE**		
10:00–17:00	**INDUSTRY WORKSHOPS**		
	KUKA Robotics and the Association for Robots in Architecture, KUKA, ABB, Delcam PowerMill [1]		*[1] DMaF Lab 154, Faculty of Architecture, Design and Planning, 148 City Road, University of Sydney*
Tuesday	*WORKSHOP DAY 1*		
March 15	Pier 2/3, 13 Hickson Road, Walsh Bay		
09:00–10:00	**REGISTRATION / COFFEE**		
10:00–17:00	**WORKSHOPS**		
18:00–22:00	*Suggested Meeting Point: Opera Bar, Sydney Opera House, East Circular Quay*	http://operabar.com.au/	Lower Concourse, Sydney Opera House, Macquarie St, Sydney NSW 2000
Wednesday	*WORKSHOP DAY 2*		
March 16	Pier 2/3, 13 Hickson Road, Walsh Bay		
10:00–17:00	**WORKSHOPS**		
18:00–22:00	*Suggested Meeting Point: Theatre Bar At The End of the Wharf, Pier 4/5, Walsh Bay*	https://www.sydneytheatre.com.au/your-visit/the-theatre-bar-at-the-end-of-the-wharf	Pier 4/5, Hickson Road, Walsh Bay NSW 2000
Thursday	*WORKSHOP DAY 3*		
March 17	Pier 2/3, 13 Hickson Road, Walsh Bay		
10:00–17:00	**WORKSHOPS**		
18:00–22:00	*BBQ[2] at University of Sydney and Optional Special Event[3]: Huang Yi and KUKA Performance at Seymour Centre Sydney*	*[2] BBQ @ Faculty of Architecture, Design and Planning, 148 City Road, University of Sydney*	*[3] To book for Huang Yi and KUKA performance, please see the Special Event listing on the schedule page on Rob|Arch 2016 website.*
Friday	*CONFERENCE DAY 1*		
March 18	Pier 2/3, 13 Hickson Road, Walsh Bay		
08:30–09:10	**REGISTRATION / COFFEE**		
09:10–09:25	**CONFERENCE DAY 1 WELCOME**		
	Welcome from Conference Chairs: Dagmar Reinhardt, Rob Saunders, Marjo Niemelä and Jane Burry	*University of Sydney and RMIT*	
09.25–10.45	**SESSION 1: FULL PAPERS**		
09:30–09:50	Michael Jeffers	*Carnegie Mellon University*	Autonomous Robotic Assembly with Variable Material Properties
09:50–10:10	Paul Nicholas, David Stasiuk, Esben Nørgaard, Christopher Hutchinson and Mette Ramsgaard Thomsen	*Royal Danish Academy of Fine Arts, Monash University and Royal Danish Academy of Fine Arts*	An Integrated Modelling and Toolpathing Approach for a Frameless Stressed Skin Structure
10:10–10.30	Ammar Mirjan, Federico Augugliaro, Raffaello D'Andrea, Fabio Gramazio and Matthias Kohler	*ETH Zürich*	Building a Bridge with Flying Robots
10.50–11.10	**MORNING TEA BREAK**		
11.10–11.40	**INDUSTRY KEYNOTE**		
11:15–11:40	Frank-Peter Kirgis, Peter Katsos and Martin Kohlmaier (intro by Robots in Architecture)	*ABB Switzerland*	Collaborative Robotics
11.40–13.00	**SESSION 2: PROJECT PAPERS**		
11:45–12.00	Nicholas Williams and John Cherrey	*RMIT University*	Crafting Robustness: Rapidly Fabricating Ruled Surface Acoustic Panels
12:00–12.15	Simon Weir, Dion Moult and Shayani Fernando	*University of Sydney*	Stereotomy of Wave Jointed Blocks : Toward a Wave-Jointed Stone Construction using Wire Cutter Toolpath Generation
12:15–12.30	Christopher Robeller and Yves Weinand	*EPFL Lausanne*	Fabrication-Aware Design of Timber Folded Plate Shells with Double-Through Tenon Joints
12:30–12.45	Alexander Jung, Dagmar Reinhardt and Rod Watt	*University of Sydney*	RBDM_Robodome: Complex Curved Geometries with Robotically Fabricated Joints
13.00–13.45	**LUNCH**	*Lunch provided & cafes in vicinity*	
13.45–14.15	**INDUSTRY KEYNOTE**		
13.50–14.15	Matt Jezyk and Charles Jones	*Autodesk, Delcam*	Design Computation, Optimization and Fabrication
14:15–15:35	**SESSION 3: FULL PAPERS**		
14:20–14:40	Andrew Saunders and Greg Epps	*University of Pennsylvania and RoboFold Ltd*	Robotic Lattice Smock: A Method for Transposing Pliable Textile Smocking Techniques through Robotic Curved Folding and Bending of Sheet Metal
14:40–15:00	Philip F. Yuan, Hao Meng, Lei Yu and Liming Zhang	*Tongji University, Archi-Union Architects and Qing Hua University*	Robotic Multi-Dimensional Printing Based on Structural Performance
15:00–15:20	Ron Culver, Joseph Sarafian and Julia Koerner	*UCLA*	Fabric Forms: Robotic Positioning of Fabric Formwork
15:35–16.00	**AFTERNOON TEA**		
16.00–17:20	**SESSION 4: PROJECT PAPERS**		
16:05–16:20	Marjo Niemelä, Dylan Wozniak-O'Connor, Samantha Horlyck, Gabriele Ulacco, Rod Watt and Rob Saunders	*University of Sydney*	BotBar: A Platform for Multi-Disciplinary Design Education
16:20–16:35	Roland Snooks and Gwyllim Jahn	*RMIT University, Kokkugia, Studio Roland Snooks and Elseware Collective*	Closeness: On the Relationship of Multi-Agent Algorithms and Robotic Fabrication
16:35–16:50	Kaicong Wu and Axel Kilian	*Princeton University*	Developing Architectural Geometry through Robotic Assembly and Material Sensing
16:50–17:05	Asbjørn Søndergaard, Oded Amir, Phillip Eversmann, Luka Piskorec, Florin Stan, Fabio Gramazio and Matthias Kohler	*Aarhus School of Architecture, Israel Institute of Technology & ETH Zürich*	Topology Optimization and Robotic Fabrication of Advanced Timber Space-Frame Structures
17:20–18:15	**RIA PRIZE WINNERS**		
18:15–18:30	**CONFERENCE DAY 1 WRAP UP**		
18:30–21:00	**WORKSHOP EXHIBITION OPENING**		*Food trucks and/or Theatre Bar at the End of Wharf, Pier 4/5*
Saturday	*CONFERENCE DAY 2*		

March 19	Pier 2/3, 13 Hickson Road, Walsh Bay		
08:30–09:00	**REGISTRATION / COFFEE**		
09:00–09:15	**CONFERENCE DAY 12 WELCOME**	*University of Sydney and RMIT*	Welcome from Conference Chairs: Dagmar Reinhardt, Rob Saunders, Marjo Niemelä and Jane Burry
09:15–09:55	**KEYNOTE**		
09:20–09:55	Francois Roche	*Lab M4 (mindmachinemakingmyth)*	'Psychaestenia Psycho-case Studies by New Territories/M4
09:55–11:10	**SESSION 5: FULL PAPERS**		
10:00–10:20	Gregor Steinhagen, Johannes Braumann, Jan Brüninghaus, Matthias Neuhaus, Sigrid Brell-Cokcan and Bernd Kuhlenkötter	*TU Dortmund, Association for Robots in Architecture, University for Arts and Design Linz, RWTH Aachen University, Ruhr-Universität Bochum*	Path Planning for Robotic Artistic Stone Surface Production
10:20–10:40	Dagmar Reinhardt, Densil Cabrera, Alexander Jung and Rod Watt.	*The University of Sydney*	Towards a Micro Design of Acoustic Surfaces
10:40–11:00	Asbjørn Søndergaard, Jelle Feringa, Toke Nørbjerg, Kasper Steenstrup, David Brander, Jens Gravesen, Steen Markvorsen, Andreas Bærentzen, Kiril Petkov, Jesper Hattel, Kenn Clausen, Kasper Jensen, Lars Knudsen and Jacob Kortbek	*Odico Formwork Robotics Aps, Technical University of Denmark, GXN A/S, Danish Technological Institute*	Robotic Hot-Blade Cutting: An Industrial Approach to Cost-Effective Production of Double Curved Concrete Structures
11:10–11:30	**MORNING TEA BREAK**		
11:30–12:00	**INDUSTRY KEYNOTE**		
11:35–12:00	Heinrich Munz	*KUKA Roboter GmbH*	A New Approach to Simple Software Integration of Robots in Production Machinery, Automation Systems, and New Parametric Environments
12:00–13:15	**SESSION 6: PROJECT PAPERS**		
12:05–12:20	Kathrin Doerfler, Timothy Sandy, Markus Giftthaler, Fabio Gramazio, Matthias Kohler and Jonas Buchli	*ETH Zürich*	Mobile Robotic Brickwork : Automation of a Discrete Robotic Fabrication Process Using an Autonomous Mobile Robot
12:20–12:35	Jose Pedro Sousa, Cristina Gassó Palop, Eduardo Moreira, Andry Maykol Pinto, José Lima, Paulo Costa, Pedro Costa, Germano Veiga and A. Paulo Moreira	*University of Porto, CEAU/DF,INESC TEC, Polytechnic Institute of Bragança,*	The SPIDERobot: A Cable-Robot System for On-Site Construction in Architecture
12:35–12:50	Joshua Bard, Richard Tursky and Michael Jeffers	*Carnegie Mellon University*	RECONstruction: A Survey of Surface Scanning Techniques for Architectural Substrates in Robotic Assembly
12:50–13:05	Nathan King, Nathan Melenbrink, Nick Cote and Gustav Fagerström	*Virginia Tech, The United Nathans and Autodesk*	BUILD-ing the MASS Lo-Fab Pavilion : Dynamo-Driven Collaborative Robotic Fabrication Workflows for the Construction of Spatial Structures
13:15–14:00	**LUNCH**		
14:00–15:30	**SESSION 7: PROJECT PAPERS**		
14:05–14:20	Felix Amtsberg, Gernot Parmann, Andreas Trummer and Stefan Peters	*Graz Univerisity of Technology*	From Analysis to Production and Back : Attempts and Results of Reusable Adaptive Freeform Production Strategies for Double Curved Concrete Construction Elements
14:20–14:35	Kate Dunn, Dylan Wozniak O'Connor, Marjo Niemelä and Gabriele Ulacco	*University of NSW, The University of Sydney and AR-MA*	Free Form Clay Deposition in Custom Generated Molds
14:35–14:50	Brian Peters	*Kent State University and Design Lab Workshop*	Solar Bytes Pavilion: 3D Printed Interlocking Modules
14:50–15:05	Sina Mostafavi and Henriette Bier	*TU Delft*	Materially Informed Design to Robotic Production : A Robotic 3D Printing System for Informed Material Deposition
15:05–15:20	Kam-Ming Mark Tam, James R. Coleman, Nicholas W. Fine and Caitlin T. Mueller	*Massachusetts Institute of Technology*	Robotics-Enabled Stress Line Additive Manufacturing
15:30–15:50	**AFTERNOON TEA BREAK**		
15:50–17:35	**SESSION 8: WORKSHOP PAPERS/ Workshops**		
15:55–16:10	Curime Batliner, Michael Jake Newsum and M. Casey Rehm	*Southern California Institute of Architecture (SCI-Arc)*	Robot UI: User Interfaces for Robotic Live Control
16:10–16:25	Thibault Schwartz, Sebastian Andraos, Jonathan Nelson, Chris Knapp and Bertrand Arnold	*HAL Robotics, Bond University and Soundisplay*	Towards On-site Collaborative Robotics: Voice Control, Co-Speech Gesture & Context-Specific Object Recognition via Ad-Hoc Communication
16:25–16:40	Roland Snooks and Gwyllim Jahn	*RMIT University, Kokkugia, Studio Roland Snooks and Elseware Collective*	Stigmergic Accretion
16:40–16:55	Alex Dubor, Dagmar Reinhardt, Kate Dunn, Rob Saunders, Dylan Wozniak O'Connor, Marjo Niemelä, Susana Alarcon Licona and Samantha Horlyck with Martin Bechthold	*Institute for Advanced Architecture of Catalonia (IAAC), The University of Sydney, University of NSW and Harvard*	Sensors and Workflow Evolutions: Developing A Framework for Instant Robotic Toolpath Revision
16:55–17:10	Dave Pigram, Iain Maxwell and Wes McGee	*University of Technology Sydney and University of Michigan*	Towards Real-Time Adaptive Fabrication-Aware Form Finding in Architecture
17:10–17:25	Tim Schork, Jackson Caish-Sadlek, Jon McCormack, Achim Menges, Oliver Krieg, Tobias Schwinn	*MADA Monash University and ICD Stuttgart*	Robotic Sewing of Custom Timber Modules
17:40–18.30	**KEYNOTE**		
17:45–18:30	Mark Burry	*University of Melbourne*	Robots at the Sagrada Família Basilica
18:30–18:55	**CONFERENCE CLOSING WORDS**		
	Dagmar Reinhardt, Rob Saunders, Marjo Niemelä and Jane Burry	*University of Sydney and RMIT*	
19:00	**CONFERENCE CLOSING DINNER, HARBOUR CRUISE & AWARD CEREMONY**		
	Alois Buchstab	*KUKA Robot Group*	KUKA Young Potential Award Presentation
	Frank-Peter Kirgis	*ABB*	ABB Mobility Award Presentation
	Ninotschka Titchkosky	*BVN*	Best Workshop Award
			Other awards to be announced

Sunday March 20	*SYDNEY OPERA HOUSE TOUR*		
10:45–12:00	Optional Special Event : Opera House Tour	*To Book for the Opera House Tour see Special Event listing under Schedule Page on Rob|Arch 2016 website.*	