<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>2:00pm – 5:00pm</td>
<td>PRE-WORKSHOP</td>
<td>Grasshopper Introductory Course</td>
</tr>
<tr>
<td>10:00am – 5:00pm</td>
<td>INDUSTRY WORKSHOP</td>
<td>KUKA, PRC, ABB, KUKA LBR jaw &amp; Dilsam</td>
</tr>
<tr>
<td>10:00am – 5:00pm</td>
<td>WORKSHOPS</td>
<td>Suggested Meeting Point: Opera Bar</td>
</tr>
<tr>
<td>10:00am – 5:00pm</td>
<td>WORKSHOPS</td>
<td>Suggested Meeting Point: Hugos in Manly</td>
</tr>
<tr>
<td>10:00am – 05:00pm</td>
<td>WORKSHOPS</td>
<td>LUSDU-BBQ / Suggested activity Robot performance at Robot Performance as additional program component for RobArch2016</td>
</tr>
<tr>
<td>10:00am – 05:00pm</td>
<td>WORKSHOPS</td>
<td>USYD BBQ / Suggested activity Robot performance at Robot Performance as additional program component for RobArch2016</td>
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**Program Draft 13.11.15**

**Sunday, March 13th**
- University of Sydney

**Monday, March 14th**
- Pier 2 & 3

**Tuesday, March 15th**
- Pier 2 & 3

**Wednesday, March 16th**
- Pier 2 & 3

**Thursday, March 17th**
- Pier 2 & 3

**Friday, March 18th**
- Pier 2 & 3

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**REGISTRATION / COFFEE**
- 08:30am – 09:00am

**WELCOME DAY 1 FROM CHAIRS**
- Dagmar Reinhardt, Rob Saunders, Jane Buny and Marjo Niemelä

**KEYNOTE**
- 09:00 - 09:15 am
- Mark Burry
  - University of Melbourne
  - Robots at the Sagrada Familia Basílica

**FULL PAPERS**
- 09:15 - 09:55 am

**SESSION 2: PROJECT PAPERS**
- 11:45 am – 01:15 pm

**LUNCH**
- 12:00pm – 02:00pm

**SESSION 3: FULL PAPERS**
- 02:00 pm – 02:30 pm

**COFFEE BREAK**
- 02:30 pm – 03:00 pm

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**SESSION 2: PROJECT PAPERS**

**SESSION 3: FULL PAPERS**
### SESSION 4: PROJECT PAPERS

- **4:20pm - 5:35pm**
  - **BotBar: A Platform for Multi-Disciplinary Design Education**
    - Marjo Niemelä, Samantha Horfick, Susana Alarcon-Licona, Dylan Womzniak O’Connor, Gabrielle Uulaco, Rodney Watt and Rob Saunders
    - University of Sydney

- **5:35 - 6:00pm**
  - **IA prize winners**

### 10 min

- **5:35pm - 5:45pm**
  - **Closing Day 1 (Reinhardt)**
    - Dagmar Reinhardt, Rob Saunders, Jane Burry and Marjo Niemelä
    - University of Sydney and RMIT

### 40 min total, 30 min plus 5 min intro, 5 min questions

- **5.45pm - 6.15pm**
  - **SESSION 5: FULL PAPERS**
    - **Path Planning for Robotic Artistic Stone Surface Production**
      - Asbjørn Søndergaard, Jelle Feringa, Toke Nørbjerg, Kasper Steenstrup, David Brander, Jens Gravesen, Steen Markvorsen, Andreas Barentsen, Keld Pedersen, 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**
      - Gregor Steinhagen, Johannes Beermann, Jan Brinckhage, Matthias Neuhäusl, Sigurd Breil-Calcan and Bernd Kuhlenkötter
      - TU Dortmund, Association for Robotics in Architecture, University for Arts and Design Linz, RWTH Aachen University, Ruhr-UniversitÄt Bochum
    - **Towards a Micro Design of Acoustic Surfaces**
      - Dagnor Reinhardt, Ommi Cabrera, Alexander Jung and Rod Wurt
      - The University of Sydney
    - **Robotic Hot-Blade Cutting: An Industrial Approach to Cost-Effective Production of Double Curved Concrete Structures**
      - Aegynn Sandvand, Jelle Ferrage, Toba Rafael, Kasper Steenstrup, Good Brandor, Jens Graeven, Steen Markvorsen, Andreas Barentsen, Keld Pedersen, 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

### 20 min

- **11:25am - 11:25am**
  - **COFFEE BREAK**

### 30 min

- **11:45am - 12:15pm**
  - **INDUSTRY KEYNOTE**
    - Heinrich Murer
    - XLR8 Robotics GmbH
    - A New Approach to Simple Software Integration of Robots in Production Machinery; Automation Systems, and New Parametric Environments

### 75 min total, 15 min each, 10 min intro, 10 min questions

- **12:15pm - 1:30pm**
  - **SESSION 6: PROJECT PAPERS**
    - **Free Form Clay Deposition in Custom Generated Molds**
      - Kvin-AMing, Mark Tum, James R. Coleman, Nicholas W.
      - Graz University of Technology
    - **Mobile Robotic Bricking: Automation of a Discrete Robotic Fabrication Process Using an Autonomous Mobile Robot**
      - Peter Duijker, Timothy Sandy, Markus Glößhauer, Fabio Gramazio, Matthias Kohler and Jonas Buchli
      - ETH Zürich
    - **RECONstruction: A Survey of Surface Scanning Techniques for Architectural Substrates in Robotic Assembly**
      - Jose Pedro Sousa, Cristina Gandois Pape, Eduardo Moreira, Andy Maykol Pinto, José Lima, Paulo Costa, Pedro Costa, Germano Virga and A. Paulo Moreira
      - University of Porto, CENIT, INESC TEC, Politecnico di Braga, Politeknica, University of Breganzo, The SPIDER Robot: A Cable-Robot System for On-Site Construction in Architecture
    - **Towards a Micro Design of Acoustic Surfaces**
      - Dagmar Reinhardt, Ommi Cabrera, Alexander Jung and Rod Wurt
      - The University of Sydney
    - **Developing Architectural Geometry through Robotic Assembly and Material Sensing**
      - Sina Mostafavi and Henriette Bier
      - TU Delft
    - **From Analysis to Production and Back: Attempts and Results of Reusable Adaptive Freeform Production Strategies for Double Curved Concrete Construction Elements**
      - Felix Amtsberg, Germin Pammern, Andreas Trummer and Stefan Peters
      - Graz University of Technology
    - **universal Production Strategies for Double Curved Concrete Construction Elements**
      - Kate Duru, Dylan Womzniak O’Connor, Marjo Niemelä and Gabrielle Uulaco
      - University of NSW, The University of Sydney and AIA-MA
    - **Free Form Clay Deposition in Custom-Generated Molds**
      - Brian Peters
      - Kent State University and Design Lab Workshop
    - **Materially Informed Design to Robotic Production: A Robotic 3D Printing System for Informed Material Deposition**
      - Matt Byr and Charles Jones
      - Autodesk, Deloma
    - **From Analysis to Production and Back: Attempts and Results of Reusable Adaptive Freeform Production Strategies for Double Curved Concrete Construction Elements**
      - Felix Amtsberg, Germin Pammern, Andreas Trummer and Stefan Peters
      - Graz University of Technology
    - **Solar Rays: Pavilion: 3D Printed Interlocking Modules**
      - Kate Duru, Dylan Womzniak O’Connor, Marjo Niemelä and Gabrielle Uulaco
      - University of NSW, The University of Sydney and AIA-MA
    - **From Analysis to Production and Back: Attempts and Results of Reusable Adaptive Freeform Production Strategies for Double Curved Concrete Construction Elements**
      - Brian Peters
      - Kent State University and Design Lab Workshop
    - **Building the MASS Lo-Fab Pavilion: Dynamo-Driven Collaborative Robotic Fabrication Workflows for the Construction of Spatial Structures**
      - Nathan King, Nathan Melenbrink, Nick Cote and Gustav Fagerström
      - Virginia Tech, The United Nathans and Autodesk
    - **Towards a Micro Design of Acoustic Surfaces**
      - Dagmar Reinhardt, Ommi Cabrera, Alexander Jung and Rod Wurt
      - The University of Sydney
    - **Developing Architectural Geometry through Robotic Assembly and Material Sensing**
      - Sina Mostafavi and Henriette Bier
      - TU Delft
<table>
<thead>
<tr>
<th>10:15pm</th>
<th>6:45pm - 6:55pm</th>
<th>COFFEE BREAK</th>
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<tbody>
<tr>
<td>105 min total</td>
<td>10 min each, 10 min intro</td>
<td>15 min total</td>
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<tr>
<td>4:15pm - 4:35pm</td>
<td>COFFEE BREAK</td>
<td>4:35pm - 6:20pm SESSION 8: WORKSHOP PAPERS</td>
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<tr>
<td>4:35pm - 6:20pm</td>
<td>SESSION 8: WORKSHOP PAPERS</td>
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<tr>
<td>Roland Snooks and Gaylim Jahn</td>
<td>RMIT University, Ashleighs, Studio Roland Snooks and Elseware Collective</td>
<td>Stigmergic Accretion</td>
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<tr>
<td>Alex Dubor, Gabriel Bello Diaz, Guillaume Camprissent, Dagmar Reinhardt, Kate Dunn, Rob Saunders, Dylan Winseck O'Connor, Maria-Nemelä, Susana Alcorcon, Liz-red and Sariah Hortlyck</td>
<td>Institute for Advanced Architecture of Catalonia (IAAC), Make It Locally, The University of Sydney and University of KSW</td>
<td>Sensors and Workflow Evolutions: Developing A Framework for Instant Robotic Toolpath Revision</td>
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<tr>
<td>Dave Flegg, Iain Maxwell and Wix McGee</td>
<td>University of Technology Sydney and University of Michigan</td>
<td>Towards Real-Time Adaptive Fabrication-Aware Form Finding in Architecture</td>
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<tr>
<td>Tim Schork/KI</td>
<td>Monash University</td>
<td>Robotic Sewing of Custom Timber Modules</td>
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<tr>
<td>6:20pm - 6:35pm</td>
<td>CONFERENCE CLOSING WORDS</td>
<td>6:20pm - 6:35 pm</td>
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<tr>
<td>Dagmar Reinhardt, Rob Saunders, Maria-Nemelä</td>
<td>University of Sydney and RMIT</td>
<td>CONFERENCE CLOSING DINNER, HARBOUR CRUISE &amp; AWARD CEREMONY</td>
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<tr>
<td>7:00pm</td>
<td>7:00pm</td>
<td>KUKA Young Potential Award</td>
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<tr>
<td>KUKA Robot Group</td>
<td>Awards Presentation Sigrid Bell-Caleca and Johannes Braumann</td>
<td>Association for Robots in Architecture</td>
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