# Workshop Programme

## Monday, 24 June

<table>
<thead>
<tr>
<th>Time</th>
<th>Session 1 (afternoon)</th>
</tr>
</thead>
<tbody>
<tr>
<td>12:30</td>
<td>Lunch</td>
</tr>
<tr>
<td>13:00</td>
<td>Registration</td>
</tr>
<tr>
<td>13:30</td>
<td>Welcome Barcons</td>
</tr>
<tr>
<td>13:55</td>
<td>Invited Gonzalez</td>
</tr>
<tr>
<td>14:20</td>
<td>Invited Brogan</td>
</tr>
<tr>
<td>14:45</td>
<td>Contributed Kim</td>
</tr>
<tr>
<td>15:00</td>
<td>Coffee break</td>
</tr>
</tbody>
</table>

## Tuesday, 25 June

<table>
<thead>
<tr>
<th>Time</th>
<th>Session 2 (morning)</th>
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<tbody>
<tr>
<td>09:00</td>
<td>Invited Quertier</td>
</tr>
<tr>
<td>09:25</td>
<td>Invited Gallego</td>
</tr>
<tr>
<td>09:50</td>
<td>Invited De Looze</td>
</tr>
<tr>
<td>10:15</td>
<td>Solicited Rizzo</td>
</tr>
<tr>
<td>10:35</td>
<td>Coffee break</td>
</tr>
<tr>
<td>11:05</td>
<td>Contributed Boogaard</td>
</tr>
<tr>
<td>11:20</td>
<td>Contributed Yoon</td>
</tr>
<tr>
<td>11:35</td>
<td>Poster Baudy</td>
</tr>
<tr>
<td>11:50</td>
<td>Solicited Boogaard</td>
</tr>
<tr>
<td>12:40</td>
<td>Lunch</td>
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</table>

## Wednesday, 26 June

<table>
<thead>
<tr>
<th>Time</th>
<th>Session 4 (morning)</th>
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</thead>
<tbody>
<tr>
<td>09:00</td>
<td>Invited Kepley</td>
</tr>
<tr>
<td>09:25</td>
<td>Invited Guglielmetti</td>
</tr>
<tr>
<td>09:50</td>
<td>Contributed Randall</td>
</tr>
<tr>
<td>10:30</td>
<td>Coffee break</td>
</tr>
<tr>
<td>11:05</td>
<td>Invited Wantzler</td>
</tr>
<tr>
<td>11:30</td>
<td>Poster Tonbi</td>
</tr>
<tr>
<td>11:50</td>
<td>Lunch</td>
</tr>
</tbody>
</table>
### WORKSHOP PROGRAMME

#### Session 5 (afternoon)

<table>
<thead>
<tr>
<th>Time</th>
<th>Type</th>
<th>Speaker/Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>14:00</td>
<td>Contributed</td>
<td>Stoehr, The ALMA Wideband Sensitivity Upgrade for the study of nearby galaxies</td>
</tr>
<tr>
<td>14:20</td>
<td>Contributed</td>
<td>Comito, Accelerating massive data processing in Python with Heat</td>
</tr>
<tr>
<td>14:35</td>
<td>Invited</td>
<td>Querejeta, The prospects of the ALMA wideband sensitivity upgrade</td>
</tr>
<tr>
<td>14:50</td>
<td>Coffee break</td>
<td></td>
</tr>
<tr>
<td>15:05</td>
<td>Contributed</td>
<td>Hovatta, Polarization over wide bandwidths - impact of ALMA WSU</td>
</tr>
<tr>
<td>15:30</td>
<td>Contributed</td>
<td>Martin, Getting ready for ultra-wide spectral scans: Reflections on the ALMA Large Program</td>
</tr>
<tr>
<td>16:10</td>
<td>Poster</td>
<td>Tafoya, Impact of WSU on Spectral Index Determination and Calibration Methods</td>
</tr>
<tr>
<td>16:12</td>
<td>Poster</td>
<td>Koenig, ALMA PI science with subarrays - Making ALMA observations post WSU more efficient</td>
</tr>
<tr>
<td>16:14</td>
<td>Discussion</td>
<td>Lead: Guglielmetti &amp; Stoehr, AI-based analysis tools (including imaging) to exploit wide-band datasets and mining of the ALMA archive</td>
</tr>
</tbody>
</table>

#### Session 6 (morning)

<table>
<thead>
<tr>
<th>Time</th>
<th>Type</th>
<th>Speaker/Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:00</td>
<td>Solicited</td>
<td>Navarrini, Updates on ALMA Band 6v2 Receiver Development</td>
</tr>
<tr>
<td>09:20</td>
<td>Solicited</td>
<td>Kojima, ALMA Band 8 version 2 receiver upgrade project</td>
</tr>
<tr>
<td>09:40</td>
<td>Contributed</td>
<td>Risacher, Study of potential upgrades for the ALMA Band 7 receiver</td>
</tr>
<tr>
<td>09:55</td>
<td>Contributed</td>
<td>Belltsky, Exploring boundaries for wider RF and wider IF bands for ALMA SIS receivers</td>
</tr>
<tr>
<td>10:10</td>
<td>Contributed</td>
<td>Peroux, ALMA Past and Future Contributions to a Full Understanding of the Baryon Cycle</td>
</tr>
<tr>
<td>10:25</td>
<td>Coffee break</td>
<td></td>
</tr>
<tr>
<td>10:55</td>
<td>Contributed</td>
<td>Bollo, A Window on Cosmic Evolution through ALMA Calibrator Data</td>
</tr>
<tr>
<td>11:10</td>
<td>Contributed</td>
<td>di Mascoco, Widening our view of the hot Universe</td>
</tr>
<tr>
<td>11:25</td>
<td>Discussion</td>
<td>Lead: George, Needs of the community regarding receivers</td>
</tr>
<tr>
<td>12:30</td>
<td>Lunch</td>
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#### Session 7 (afternoon)

<table>
<thead>
<tr>
<th>Time</th>
<th>Type</th>
<th>Speaker/Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>13:30</td>
<td>Contributed</td>
<td>Hesper, Towards a Producible ALMA2030-Ready Sideband-Separating Band 9 Receiver</td>
</tr>
<tr>
<td>13:45</td>
<td>Contributed</td>
<td>Hwang, Band-4+5 Receiver Front-End: Idea and Initial Development in East Asia Consortium</td>
</tr>
<tr>
<td>14:00</td>
<td>Contributed</td>
<td>Franks, The Integration of LNA-Based Receivers for Millimetre and Sub-millimetre Wavelength Radio Astronomy</td>
</tr>
<tr>
<td>14:15</td>
<td>Solicited</td>
<td>Phillips, ALMA Band 2</td>
</tr>
<tr>
<td>14:35</td>
<td>Invited</td>
<td>Beltran, Polarization studies and more with new ALMA capabilities</td>
</tr>
<tr>
<td>15:00</td>
<td>Coffee break</td>
<td></td>
</tr>
<tr>
<td>15:30</td>
<td>Contributed</td>
<td>De Simone, The origin of chemical complexity: in the earth of young forming planetary system</td>
</tr>
<tr>
<td>15:45</td>
<td>Contributed</td>
<td>Jones, Robust temperatures and luminosities of cores in 100D high-mass cluster-forming regions with ALMAGAL</td>
</tr>
<tr>
<td>16:00</td>
<td>Poster</td>
<td>Pütz, InGaAs mHEMT MMIC Technology for Low Noise Amplifiers in Radio Astronomy</td>
</tr>
<tr>
<td>16:02</td>
<td>Discussion</td>
<td>Lead: Hatziminaoglou, Needs of the community regarding user support</td>
</tr>
</tbody>
</table>

#### Session 8 (morning)

<table>
<thead>
<tr>
<th>Time</th>
<th>Type</th>
<th>Speaker/Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:00</td>
<td>Invited</td>
<td>Miotello, Planet-forming disks in the WSU era</td>
</tr>
<tr>
<td>09:25</td>
<td>Contributed</td>
<td>Booth, Revealing the volatile planet formation reservoir with ALMA spectral line surveys</td>
</tr>
<tr>
<td>09:40</td>
<td>Contributed</td>
<td>Kurtovic, Revealing the gas properties of the most typical planet-forming disks</td>
</tr>
<tr>
<td>09:55</td>
<td>Contributed</td>
<td>Valdivia, Rivers in the sky: streamers as catalysts for physical and chemical changes in protostars and disks</td>
</tr>
<tr>
<td>10:10</td>
<td>Poster</td>
<td>Pineda, Broadband observations at 3mm: The role of the environment on star- and disk-formation</td>
</tr>
<tr>
<td>10:12</td>
<td>Coffee break</td>
<td></td>
</tr>
<tr>
<td>10:45</td>
<td>Invited</td>
<td>Baryshev, ALMA 2040+, technologies beyond the current upgrade</td>
</tr>
<tr>
<td>11:10</td>
<td>Contributed</td>
<td>Magdis, Science drivers and technical considerations for an ALMA Focal Plane Array</td>
</tr>
<tr>
<td>11:25</td>
<td>Discussion</td>
<td>Lead: Testi, Towards ALMA 2040</td>
</tr>
<tr>
<td>12:30</td>
<td>Lunch</td>
<td></td>
</tr>
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</table>

#### Thursday, 27 June

#### Friday, 28 June

#### End of workshop