

# Panoramic Radio Astronomy: Program

## 1 June 2009

1800—2000      Check-in/registration and welcome reception

## 2 June 2009

0830—0900      Check-in/registration

0900—0910      Mike Garrett (ASTRON)

*Opening remarks*

### Session I

#### New telescope facilities

Chair: Thijs van der Hulst (Kapteyn Astronomical Institute)

0910—0925      Robert Braun (CSIRO-ATNF)

*Panoramic Surveys of the Radio Sky with the Australian SKA Pathfinder*

0925—0940      Michael Rupen (NRAO)

*EVLA*

0940—0955      Justin Jonas (Rhodes University)

*The MeerKAT SKA precursor telescope*

0955—1010      Joeri van Leeuwen (ASTRON / UC Berkeley)

*The Allen Telescope Array: The First Widefield, Panchromatic, Snapshot Radio Camera*

1010—1025      Tom Oosterloo (ASTRON)

*The latest on Apertif*

1025—1105      All + Panel members: Braun, Rupen, Jonas, van Leeuwen, Oosterloo

*Discussion Panel: The new suite of radio telescope facilities*

1105—1135      Coffee Break

### Session IIa

#### HI Surveys

Chair: TBD

1135—1205      Erwin de Blok (University of Cape Town)

*HI Science with MeerKAT*

1205—1225      Wim van Driel (Paris Observatory)

*NIBLES: an HI census of SDSS galaxies in the Local Volume*

1225—1245      Sarah Blyth (University of Cape Town)

*Neutral Hydrogen in Galaxies from Low to High Redshift*

1245—1410      Lunch Break

**Session IIb****HI Surveys**

Chair: TBD

- 1410—1440 Marc Verheijen (Kapteyn Astronomical Institute)  
*HI surveys with APERTIF*
- 1440—1500 Steve Curran (University of New South Wales)  
*Blind Wide Area Surveys: Where will we find atomic and molecular absorption at  $z < 1$*
- 1500—1520 Neeraj Gupta (CSIRO-ATNF)  
*21cm absorbers at low and intermediate redshifts*
- 1520—1550 Martin Zwaan (ESO)  
*The future of the HI mass function*
- 1550—1610 Lister Staveley-Smith (UWA/ICRAR)  
*A Widefield ASKAP L-band Legacy All-Sky Blind Survey*
- 1610—1640 Coffee Break

**Session IIc****HI Surveys**

Chair: TBD

- 1640—1710 Martin Meyer (University of Western Australia)  
*Exploring the HI Universe with ASKAP*
- 1710—1730 Bjorn Emonts (CSIRO-ATNF)  
*HI in radio galaxies*
- 1730—1750 Kurt van der Heyden (University of Cape Town)  
*Evolution of Neutral Gas in Galaxies over Cosmic Time with SKA pathfinder instruments*

**Session III****Poster session**

Chair: TBD

- 1750—1805 All poster presenters  
*Poster overview slides: 1 min / 1 slide each*

**3 June 2009****Session IVa****Continuum surveys**

Chair: TBD

- 0900—0920 Ray Norris (ATNF)  
*Overcoming the challenges of wide deep continuum surveys*
- 0920—0940 Robert Becker (UC-Davis)  
*The E-FIRST Survey, What Comes Next*
- 0940—1000 Nick Seymour (UCL/MSSL)  
*Tracing High Redshift Starformation in the Current and Next Generation of Radio Surveys*
- 1000—1020 Isabella Prandoni (IRA-INAF)  
*The AGN component in radio deep fields: the First Look Survey*
- 1020—1040 Willem Baan (ASTRON)  
*OH MM activity and the ULIRG & SMG population*
- 1040—1110 Coffee Break

<b>Session IVb</b>	<b>Continuum surveys</b> Chair: TBD
1110—1130	Edo Ibar (UK Astronomy Technology Centre) <i>Deep multi-frequency radio imaging in the Lockman Hole using the GMRT and VLA</i>
1130—1150	Veronica Strazzullo (NRAO) <i>The deep Swire VLA field: faint radio populations</i>
1150—1210	Raffaella Morganti (ASTRON) <i>Continuum Surveys with LOFAR</i>
1210—1300	Lunch Break
1300—1800	<b>Excursion to Exloo / LOFAR HBA construction facility</b>

#### 4 June 2009

<b>Session V</b>	<b>Data characterization</b> Chair: TBD
0900—0920	Gyula Jozsa (ASTRON) <i>Parametrising spatially resolved HI disks</i>
0920—0940	Benne Holwerda (University of Cape Town) <i>HI Disks in the high-redshift Universe; Size and Quantified Morphology</i>
0940—1000	Benjamin Winkel (Argelander Institute for Astronomy (AIfA)) <i>Data reduction strategy of the Effelsberg-Bonn HI Survey (EBHIS)</i>
1000—1020	Enno Middelberg (Universität Bochum) <i>Wide-field VLBI observations of 96 radio sources in the Extended Chandra Deep Field South</i>
1020—1050	Coffee Break
<b>Session VI</b>	<b>Magnetic fields and Cosmic Rays</b> Chair: TBD
1050—1120	Jeroen Stil (University of Calgary) <i>Evolution of magnetic fields in galaxies</i>
1120—1140	Rainer Beck (MPI für Radioastronomie) <i>Magnetic fields in nearby galaxies: Prospects with future radio telescopes</i>
1140—1200	George Heald (ASTRON) <i>Magnetic fields in nearby galaxies</i>
1200—1220	Tigran Arshakian (Max-Planck-Institut für Radioastronomie) <i>Cosmological evolution of magnetic fields in galaxies: future tests with the SKA</i>
1220—1240	Rosita Paladino (Institute for Astro and Particle Physics Innsbruck) <i>Radio spectral index images of the spiral galaxies NGC 0628, NGC 3627, and NGC 7331</i>
1240—1400	Lunch Break

**Session VIIa      Environment, Clusters, and Voids**

Chair: TBD

- 1400—1430      Filippo Fraternali (University of Bologna)  
*Gas accretion onto galaxies: models vs past and future observations*
- 1430—1450      Ed Elson (University of Cape Town)  
*Our changing view of the blue compact dwarf NGC 2915*
- 1450—1510      Tobias Westmeier (ATNF)  
*Broadband Radio Observations of Local Groups with ASKAP (BROLGA)*
- 1510—1530      Antoine Bouchard (University of Cape Town)  
*The Environmental Impact on Galaxy Evolution: Highlighting the Structure of the Local Cosmic Web*
- 1530—1600      Coffee Break

**Session VIIb      Environment, Clusters, and Voids**

Chair: TBD

- 1600—1630      Andrew Hopkins (Anglo-Australian Observatory)  
*The relationship between gas and star-formation in galaxies over cosmic history*
- 1630—1650      Thijs van der Hulst (Kapteyn Astronomical Institute)  
*HI in Void Galaxies: probing the lowest density environments*
- 1650—1710      Paolo Serra (ASTRON)  
*An HI view of the on-going assembly of early-type galaxies*
- 1710—1730      Heinz Andernach (Argelander-Institut fuer Astronomie (AIfA), Bonn)  
*Radio Properties of Brightest Cluster Members (BCMs)*

**Session VIII      Looking forward**

Chair: TBD

- 1730—1750      Joseph Lazio (Naval Research Laboratory)  
*The Square Kilometre Array*
- 1900—2200      Conference Dinner (de Apedans, <<http://www.apedans.nl/>>)

**5 June 2009**

**Session IX      OH: the other emission line**

Chair: TBD

- 0900—0920      Megan Argo (Curtin University)  
*OH masers in nearby galaxies*
- 0920—0940      John McKean (ASTRON)  
*Tracing the merger rate of the Universe with Apertif*

**Session X      Complementary single-dish work**

Chair: TBD

- 0940—1000      Trish Henning (University of New Mexico)  
*Extragalactic HI surveys with ALFA*
- 1000—1020      Juergen Kerp (Bonn University)  
*The Effelsberg Bonn HI Survey EBHIS*

1020—1050	Coffee Break
<b>Session XI</b>	<b>The multi-wavelength picture</b> Chair: TBD
1050—1120	Matt Jarvis (University of Hertfordshire) <i>Synergies with multi-wavelength surveys</i>
1120—1140	Jose Afonso (Astronomical Observatory of Lisbon) <i>A Somewhat Lower Frequency View of the Chandra Deep Field South</i>
1140—1200	Patrick Woudt (University of Cape Town) <i>Galaxy transformation in dense environments: A multi-wavelength study of superclusters at <math>z \sim 0.1 - 0.5</math></i>
<b>Session XII</b>	<b>Conference summary</b> Chair: TBD
1200—1245	All + Panel members: Braun, Rupen, Jonas, van Leeuwen, Oosterloo <i>Discussion Panel: Concluding discussion</i>
1245—1300	TBD <i>Conference summary</i>
1300—1400	Lunch

## Poster Session

- Poster 1 Heinz Andernach (Argelander-Inst. für Astronomie, Univ. Bonn)  
*Preparing old and recent radio source tables for the VO age: Current status*
- Poster 2 Nadya Ben Bekhti (Argelander Institute for Astronomy (AIfA))  
*Low-column density gas in the halo of the Milky Way*
- Poster 3 Andy Biggs (ESO)  
*Detection of Submillimetre Galaxies in the Lockman Hole using the European VLBI Network*
- Poster 4 Laurent Chemin (Observatoire de Paris)  
*Deep wide field HI imaging of M31*
- Poster 5 Seungyoup Chi (ASTRON / Kapteyn Institute)  
*Deep, wide-field global VLBI observations of the HDF-N and HFF*
- Poster 6 Andrey Chuprikov (Astro Space Center)  
*Properties and short-time evolution of nearby galaxies*
- Poster 7 Boris Deshev (Kapteyn Astronomical Institute)  
*Westerbork ultra-deep HI imaging of galaxy clusters at  $z=0.2$*
- Poster 8 Kevin Douglas (University of Exeter)  
*Synthetic Observations of the HI Line in SPH-Simulated Spiral Galaxies*
- Poster 9 Peter Kalberla (Argelander Institut Bonn)  
*A panoramic view of the Milky Way HI gas*
- Poster 10 Renée C. Kraan-Korteweg (University of Cape Town)  
*Properties of the extremely HI-massive galaxy HIZOA J0836-43*
- Poster 11 Emil Lenc (CSIRO-ATNF)  
*ATLAS (Australia Telescope Large Area Survey)*
- Poster 12 Eric Murphy (Caltech)  
*The Far-Infrared Radio Correlation at High- $z$ : Prospects for the SKA*
- Poster 13 Maurilio Pannella (NRAO)  
*Star formation and dust obscuration at  $z \approx 2$ : galaxies at the dawn of downsizing*
- Poster 14 Yurii Pidopryhora (JIVE)  
*The Ophiuchus Superbubble: Disk-Halo Interaction at Work*
- Poster 15 Anja Schroeder (HartRAO)  
*MeerKAT Configuration Studies*