

**VLBA Workshop Agenda**  
January 27 & 28, 2011  
NRAO Auditorium, Charlottesville

**Thursday, January 27**

0800 Registration

0830 Fred Lo: Welcome and Introduction

0900 Robert Dickman: A New Operating Paradigm for the VLBA

Session Chair: Bob Dickman

0930 Walter Briskin: VLBA Status: Ongoing and possible future upgrades

0950 Colin Lonsdale: Future development of digital VLBI backends and disk recorders

1005 Adam Deller: New Opportunities for Wide Field Imaging with the DiFX Correlator

1020 Craig Walker: Impact of using fewer than ten antennas

1035 Break

Session Chair: Jim Moran

1100 Mark Reid: Spiral Structure and Kinematics of the Milky Way Using H<sub>2</sub>O and Methanol masers: Achievements so Far

1115 Karl Menten: Spiral Structure and Kinematics of the Milky Way Using H<sub>2</sub>O and Methanol masers: Plans for the Future

1130 *Discussion of Spiral Structure and Kinematics of the Milky Way Using H<sub>2</sub>O and Methanol masers*

1145 Carl Melis: The Pleiades Distance Controversy

1200 Laurent Loinard: Gould's Belt Distances

1215 Lunch

Session Chair: Anton Zensus

1300 Mark Reid: Proper Motions of Galaxies in the Local Group

1315 David Boboltz: Earth Orientation and GPS Calibration

1330 Chopo Ma: The ITRF and ICRF

1345 Adam Deller: PSRPI, Parallax and Proper Motion of Pulsars

01/25/2011

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- I400 Shami Chatterjee: Fermi Detected Radio Pulsars
- I415 Geoffrey Bower: RIPL: Radio Interferometric Planet Search
- I430 Michael Busch: Radar Speckles and Near-Earth Asteroids
- I445 Jon Romney: Interplanetary Spacecraft Navigation and Planetary Orbit determination
- I505 Phil Diamond: IKAROS
- I515 Leonid Gurvits: Space-based opportunities for the VLBA
- I525 Break

Session Chair: Ken Kellermann

- I555 Andrzej Kus: Opportunities with the EVN
- I625 Michael Bietenholz: VLBI in Africa
- I635 *Discussion of EVN opportunities*
- I650 Thomas Krichbaum: The Global Millimeter VLBI Array
- I705 Xiaoyu Hong: Chinese VLBA Programs and the Chinese VLBI Network
- I715 Phil Diamond: Status and Capabilities of the Australian LBA
- I725 Hideyuki Kobayashi: Japanese VLBI Programs, the East Asia VLBI Network and Space VLBI: VSOP-2
- I740 Mareki Honma: VERA and the Japan – Korea collaboration
- I750 Shep Doeleman: Enabling mm and submm VLBI with ALMA
- I800 Buffet Dinner at NRAO
- I900 *Further discussion as desired*

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**Friday, January 28**

Session Chair: Mike Garret

- 0830 David Thompson: The VLBA and Fermi
- 0850 Matt Lister: MOJAVE: Kinematics of AGN and Gamma-ray emission
- 0910 Alan Marscher: VLBA Imaging of the Gamma-ray Emission Regions in Blazar Jets
- 0925 Greg Taylor: VIPS: The VLBA Imaging and Polarization Survey
- 0940 Dan Homan: AGN: Linear and Circular Polarization
- 0950 Jim Condon: Inspirling, Binary, and Recoiling Black Holes in Nearby Galaxies
- 1000 Keiichi Asada: Acceleration and Collimation Mechanism of AGN Jets
- 1015 *AGN Discussion*
- 1030 Break

Session Chair: Tony Readhead

- 1100 James Miller-Jones: JACPot XRB Project
- 1115 Jim Braatz: The Megamaser Cosmology Project - Constraints on the Hubble Constant
- 1130 Jim Condon: Megamaser Cosmology Project - Black Holes
- 1145 *Megamaser Discussion*
- 1200 Lunch

Session Chair: Walter Briskin

- 1300 Walter Briskin: The High Sensitivity Array  
Jay Lockman: The GBT, VLBA, and the HSA  
Anton Zensus: Effelsberg, the VLBA, and the HSA  
Chris Salter: Arecibo, the VLBA, and the HSA  
Potential additions to the HSA  
    Luigina Feretti: The Sardinia Radio Telescope, the VLBA, and the HSA  
    Eduardo Ros: The Yebes Radio Telescope, the VLBA, and the HSA
- 1400 Huib Van Langevelde: eVLBI: EXPReS and NEXPReS

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Sessions Chair: Fred Lo

- 1430 Discussion of VLBA Operational Models
- 1530 Break
- 1600 Resume discussions
- 1800 Pizza
- 1800 *Continue discussion of VLBA operational models as desired*