

**24th ANNUAL NEW MEXICO SYMPOSIUM  
2008 October 24**

**Oral Program**

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|------------------|---|--|
| 9.10-9.15        | Bob Dickman (NRAO)  | Welcome  |
| <b>Session 1</b> | Chair: Jean Eilek   |  |
| 9.15-9.35        | Jon Romney, W.F. Brisken, S.J. Durand & R.C. Walker (NRAO)  | <i>The VLBA sensitivity upgrade project</i>  |
| 9.35-9.55        | Michelle Creech-Eakman & Eileen Ryan (NMT/MRO)  | <i>The Magdalena Ridge Observatory – operations and progress</i>   |
| 9.55-10.15       | Anders Jorgensen (NMT), H. Schmitt (NRL), D. Mozurkewich (Seabrook Engineering)   | <i>High-precision optical interferometry of faint and low-contrast targets requires coherent integration</i> |
| 10.15-10.55      | Coffee & Posters  | [Upstairs Common Room]   |
| <b>Session 2</b> | Chair: Dave Meier   |  |
| 10.55-11.15      | Michael Rupen for the EVLA team (NRAO)  | <i>Gigahertz bandwidths with the EVLA: first tests of the WIDAR correlator</i>                               |
| 11.15-11.35      | Urvashi Rau (NRAO/NMT/ATNF)   | <i>Multi-frequency synthesis imaging with wide-band EVLA data</i>  |
| 11.35-11.55      | Jeffrey Coughlin (NMSU), G. Stringfellow (U. Colorado), A. Becker (U. Washington), M. Lopez-Morales (OCIW), F. Mez-zalira (U. Colorado), T. Krajci (Astrokolxhoz Observatory) | <i>Possible detection of a several-earth-mass planet via orbital perturbations in the Gliese 436 system</i>  |
| 11.55-12.15      | Jillian Bornak, B. McNamara, T. Harrison (NMSU), M. Rupen (NRAO), R. Bandyopadhyay (U. Florida), S. Wachter (SSC)   | <i>A possible period for the K-band brightening episodes of GX 17+2</i>                                      |
| 12.15-2.00       | Lunch & Posters   |  |

**Session 3** Chair: Frazer Owen

- 2.00-2.20 Maurilio Pannella (NRAO) *SFR properties of  $z \sim 2$  galaxies: the dawn of downsizing*
- 2.20-2.40 Steve Tremblay (UNM), G. Taylor (UNM/NRAO), J. Hemboldt (NRL), C. Fassnacht (UC Davis), R. Romani (Stanford), S. Healey (Stanford) *A look at complex objects from the VLBA Imaging and Polarimetry Survey*
- 2.40-3.00 Philip Kronberg (LANL/U. Toronto) *Latest determinations of extragalactic magnetic fields from kpc to Gpc scales*
- 3.00-3.20 Veronica Strazzullo (NRAO) *Cluster galaxies 9 billion years ago: XMMU J2235-2557 at  $z \sim 1.4$*
- 3.20-4.00 Coffee & Posters [Upstairs Common Room]

**Session 4** Chair: Joan Wrobel

- 4.00-4.20 Dean Hines (SSI) *A visit to the stellar graveyard with the Spitzer Space Telescope*
- 4.20-4.40 Masaya Kuniyoshi (UNM) *Simulation and analysis for the LWA station beam*
- 4.40-5.00 Wirt Atmar (AICS Research & Field Museum) *On the evolution of galactic morphologies, with special emphasis on barred galaxies*
- 5.00-5.20 Miller Goss (NRAO) & C. Hooker (U. Sydney) *The cosmic noise expedition to New Zealand, 1948, by John Bolton and Gordon Stanley: the identification of the radio source Taurus A with the Crab Nebula*
- 5.30 Cocktails & Dinner [Macey Center]
- 8.00 Art Wolfe (UCSD) **JANSKY LECTURE:** *Finding the gas that makes galaxies* [Workman Center]