

## Science with Adaptive Optics - A "Meeting Within at Meeting" at the Pasadena AAS Meeting, June 7-11, 2009

Session Title	Abstract Title	Start Time	Time (min)	Talk #	Authors and Institutions
<b>MONDAY 10:00 TO 11:30 AM SESSION 203 ROOM C104</b>					
Introduction to Adaptive Optics & Black Holes observed with AO	<b>Introduction to Adaptive Optics</b>	10:00 AM	60	203.01	<b>Claire E. Max</b> ( <i>UC Santa Cruz</i> )
"	<b>Black Hole Masses in the Largest (M87) and Smallest (Globular Clusters) Systems</b>	11:00 AM	15	203.02	<b>Karl Gebhardt</b> ( <i>U. of Texas at Austin</i> )
"	<b>Measuring Black Hole Masses in Nearby Galaxies with Laser Guide Star Adaptive Optics</b>	11:15 AM	15	203.03	<b>Claire E. Max</b> ( <i>UC Santa Cruz</i> ) <sup>1</sup>
<b>MONDAY 2:00 TO 3:30 PM SESSION 211 ROOM C104</b>					
Stellar Astronomy with AO	<b>AO Capabilities at ESO for the User</b>	2:00 PM	30	211.01	<b>Chris Lidman</b> ( <i>ESO, Chile</i> )
"	<b>Massive Young Stellar Objects</b>	2:30 PM	15	211.02	<b>Robert D. Blum</b> ( <i>NOAO</i> )
"	<b>Spectral Imaging of T Tauri Star Microjets</b>	2:45 PM	15	211.03	<b>Tracy Beck</b> <sup>1</sup> , <b>P. J. McGregor</b> <sup>2</sup> ( <sup>1</sup> <i>STScI</i> , <sup>2</sup> <i>ANU, Australia</i> )
"	<b>Keck LGS AO Orbital Monitoring of Brown Dwarf Binaries</b>	3:00 PM	15	211.04	<b>Trent J. Dupuy</b> <sup>1</sup> , <b>M. C. Liu</b> <sup>1</sup> , <b>M. J. Ireland</b> <sup>2</sup> ( <sup>1</sup> <i>U. of Hawaii</i> , <sup>2</sup> <i>U. of Sydney, Australia</i> ).
"	<b>Very Low Mass Stellar and Brown Dwarf Binaries Observed with Adaptive Optics</b>	3:15 PM	15	211.05	<b>Laird M. Close</b> ( <i>Steward Observatory, U of Arizona</i> )
<b>TUESDAY 10:00 TO 11:30 AM SESSION 219 ROOM C104</b>					
Solar System Studies with AO	<b>W.M. Keck Observatory Adaptive Optics Science Capabilities</b>	10:00 AM	30	219.01	<b>Peter Wizinowich, R. Campbell</b> ( <i>Keck</i> )
"	<b>Big Kuiper Belt Objects and Little Satellites</b>	10:30 AM	15	219.02	<b>Michael E. Brown</b> ( <i>Caltech</i> )
"	<b>Multiple Asteroid Systems: Search Programs and Studies with AO</b>	10:45 AM	15	219.03	<b>Franck Marchis</b> ( <i>SETI/UC Berkeley</i> )
"	<b>Measuring Atmospheric Dynamics on Titan with AO</b>	11:00 AM	15	219.04	<b>Mate Adamkovic</b> , <b>I. de Pater</b> ( <i>UC Berkeley</i> ), & <b>M. Hartung</b> ( <i>Gemini</i> )
"	<b>Titan's Methane Weather</b>	11:15 AM	15	219.05	<b>Henry G. Roe</b> ( <i>Lowell Obs.</i> )
<b>TUESDAY 2:00 TO 3:30 PM SESSION 230 ROOM C104</b>					
The Search for Exo-planets and Debris Disks with AO	<b>The Gemini NICI Planet-Finding Campaign</b>	2:00 PM	15	230.01	<b>Michael C. Liu</b> ( <i>U. of Hawaii</i> )
"	<b>Planet Searches via L and M Imaging</b>	2:15 PM	15	230.02	<b>Philip Hinz</b> ( <i>U. of Arizona</i> )
"	<b>Multiple Planets Orbiting the Star HR 8799</b>	2:30 PM	15	230.03	<b>Christian Marois</b> ( <i>NRC, Hertzberg Inst. Of Astron.</i> ), <b>B. Macintosh</b> , <b>T. Barman</b> , <b>B. Zuckerman</b> , <b>I. Song</b> , <b>J. Patience</b> , <b>D. Lafreniere</b> , <b>R. Doyon</b>
"	<b>A Uniform Analysis of 118 Sun-like Stars with High-Contrast AO Imaging: Long Period Giant Planets are Rare</b>	2:45 PM	15	230.04	<b>Eric Nielsen</b> <sup>1</sup> , <b>L. M. Close</b> ( <i>U. of Arizona</i> )
"	<b>The First Spatially Resolved Mid-IR Spectra of Binaries with Adaptive Optics</b>	3:00 PM	15	230.05	<b>Andrew Skemer</b> , <b>L. Close</b> , <b>P. Hinz</b> , <b>W. Hoffmann</b> , <b>J. Males</b> ( <i>U. of Arizona</i> ), & <b>T. Greene</b> ( <i>NASA Ames</i> )
"	<b>Probing Planet Formation with AO Imaging of Circumstellar Debris Disks</b>	3:15 PM	15	230.06	<b>Michael P. Fitzgerald</b> ( <i>LLNL</i> )

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Session Title	Abstract Title	Start Time	Time (min)	Talk #	Authors and Institutions
<b>WEDNESDAY 10:00 TO 11:30 AM SESSION 240 ROOM C104</b>					
Stellar Populations and the Galactic Center with AO	<b>AO Capabilities at the MMT for the User</b>	10:00 AM	30	240.01	<b>Michael M. Lloyd-Hart</b> ( <i>U. of Arizona</i> ) <sup>1</sup>
"	<b>AO and the Galactic Center: A Tool and a Laboratory for Fundamental Astrophysics and Galactic Nuclei</b>	10:30 AM	15	240.02	<b>Andrea M. Ghez</b> ( <i>UCLA</i> )
"	<b>Origin of Young Stars in GC and in M31</b>	10:45 AM	15	240.03	<b>Jessica R. Lu</b> ( <i>Caltech</i> ), R. Rich & A. M. Ghez ( <i>UCLA</i> ), K. Matthews ( <i>Caltech</i> ), K. Gebhardt ( <i>U. Texas</i> )
"	<b>The Central Regions of M32</b>	11:00 AM	15	240.04	<b>Tim Davidge</b> ( <i>HIA, NRC, Canada</i> )
"	<b>The Star Formation History of M31</b>	11:15 AM	15	240.05	<b>Knut A. G. Olsen &amp; R. D. Blum</b> ( <i>NOAO</i> ), A. W. Stephens ( <i>Gemini</i> )
<b>WEDNESDAY 2:00 TO 3:30 PM SESSION 250 ROOM C104</b>					
Stellar Populations with AO	<b>Gemini Observatory Adaptive Optics Instrumentation and Capabilities</b>	2:00 PM	30	250.01	<b>Julian C. Christou</b> ( <i>Gemini Observatory</i> )
"	<b>Nearby Nuclear Star Clusters</b>	2:30 PM	15	250.02	<b>Anil Seth</b> ( <i>Harvard-Smithsonian, CfA</i> )
"	<b>VLT High Precision Astrometry of Galactic Starburst Clusters</b>	2:45 PM	15	250.03	<b>Wolfgang Brandner</b> <sup>1</sup> , A. Stolte <sup>2</sup> ( <sup>1</sup> MPIA, Germany, <sup>2</sup> Univ. of Cologne, Germany)
"	<b>Stellar Populations and Super Star Clusters in Nearby Starburst Galaxies</b>	3:00 PM	15	250.04	<b>William D. Vacca</b> ( <i>SOFIA-USRA</i> )
<b>THURSDAY 10:00 TO 11:30 AM SESSION 257 ROOM C104</b>					
Stellar Pops, Galaxies and Cosmo. with AO	<b>Resolved Stellar Populations within Dwarf Irregular Galaxy KKH 98 from Keck Laser Guide Star Adaptive Optics</b>	10:00 AM	15	257.01	<b>Jason Melbourne</b> ( <i>Caltech</i> )
"	<b>Young Massive Star Clusters and Stellar Populations</b>	10:15 AM	15	257.02	<b>Nate McCrady</b> ( <i>UCLA</i> )
"	<b>High Z Galaxy Kinematics and Star Formation</b>	10:30 AM	15	257.03	N. Forster-Schreiber, <b>Erin K. Hicks</b> , R. Genzel, N. Bouch, P. Buschkamp, G. Cresci, R. Davies, F. Eisenhauer, S. Genel, K. L. Shapiro, D. Lutz, L. Tacconi <i>MPIE-TP, Germany.</i>
"	<b>Keck LGSAO Imaging and Spectroscopy of Massive Passively Evolving Galaxies at <math>z \sim 2.5</math></b>	10:45 AM	15	257.04	<b>Alan N. Stockton</b> ( <i>University of Hawaii</i> )
"	<b>Stellar Velocity Dispersion Measurement of a Luminous Quasar Host with Gemini North LGSAO</b>	11:00 AM	15	257.05	<b>Linda C. Watson</b> <sup>1</sup> ( <sup>1</sup> Ohio State University)