

## 2012 Fall Science Retreat Registrants

#	First Name	Last Name	Institution	Email Address	Talk Title or Poster
1	Scott	Acton	Ball Aerospace	dsacton@ball.com	Phasing Metrology System for the Giant Magellan Telescope
2	S. Mark	Ammons	Lawrence Livermore National Lab	ammons1@llnl.gov	On-sky Tests of High-Precision Astrometry with the Diffractive Pupil & Evidence that Predictive Control with Multiple Guide Stars Reduces Tomographic Errors and Expands MOAO Field of Regard
3	Jerome	Ballesta	Imagine Optic	jballesta@imagine-optic.com	Improvement of 3D Localization in PALM, STORM and Single Particle Tracking by Using Adaptive Optics
4	Christoph	Baranec	California Institute of Technology	baranec@astro.caltech.edu	Rise of the machines: Robo-AO and the Evolution of Adaptive Optics
5	Anna	Boehle	UC Los Angeles	aboehle@astro.ucla.edu	
6	Antonin	Bouchez	Giant Magellan Telescope	abouchez@gmto.org	
7	Dmitry	Budker	UC Berkeley	budker@berkeley.edu	
8	Rick	Burruss	Jet Propulsion Lab	rburruss@jpl.nasa.gov	Palm-3000 Performance Update
9	Randy	Campbell	W. M. Keck Observatory	randyc@keck.hawaii.edu	Novae Observations using Keck LGSAO
10	Wenda	Cao	New Jersey Institute of Technology	wcao@bbso.njit.edu	Adaptive Optics for 1.6 m New Solar Telescope at Big Bear
11	Philip	Choi	Pomona College	pchoi@pomona.edu	
12	Craig	Denman	FASORtronics LLC	craig@fasortronics.com	
13	Daren	Dillon	UC Santa Cruz	dillon@ucolick.org	
14	Brent	Ellerbroek	TMT Observatory Corporation	brente@caltech.edu	Modeling Astrometry Errors Due to Optical System Phase Aberrations in the Fourier Domain
15	Gregory	Fetzer	Arete Associates	gfetzer@arete.com	
16	Michael	Fitzgerald	UC Los Angeles	mpfitz@ucla.edu	
17	Donald	Gavel	UC Santa Cruz	gavel@ucolick.org	ShaneAO: Enhanced Adaptive Optics System for the Shane 3-Meter Telescope
18	Luc	Gilles	Thirty Meter Telescope Project	lgilles@caltech.edu	Point Spread Function Reconstruction for Laser Guide Star Multi-conjugate Adaptive Optics
19	Nicolas	Gorceix	Big Bear Solar Observatory/NJIT	nicolasg@bbso.njit.edu	

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20	Olivier	Guyon	University of Arizona / Subaru Telescope	guyon@naoj.org	Extreme-AO on ELTs: How New Techniques Will Allow Direct Imaging and Spectroscopy of Habitable Planets Around Low Mass Stars
21	Markus	Hartung	Gemini Observatory	mhartung@gemini.edu	First On-sky Results with GeMS, the Gemini Multi-conjugate AO System
22	Masayuki	Hattori	Subaru Telescope / NAOJ / NINS	mhattori@naoj.org	Poster: Study for Development of Adaptive Optics Microscope for Observation of Plant Cell
23	Stefan	Hau-Riege	Lawrence Livermore National Lab	hauriege1@llnl.gov	Scientific Opportunities at Modern X-ray Light Sources
24	Michael	Helmbrecht	Iris AO, Inc.	michael.helmbrecht@irisao.com	Laser Session: Development of Laser-Ready MEMS DMs AO Components Session: Iris AO MEMS DM Update: Bigger, Faster, Better
25	Paul	Hillman	FASORtronics	paul@fasortronics.com	
26	Lisa	Hunter	ISEE / CfAO	hunter@ucolick.org	
27	Joe	Janni		sciences@verizon.net	Predictive Avoidance Importance
28	Luke	Johnson	National Solar Observatory	ljohnson@noao.edu	Wavefront Correction for the Advanced Technology Solar Telescope
29	Benjamin	Judkewitz	Caltech	benju@caltech.edu	Deep Tissue Fluorescence Microscopy with Time-reversed Light
30	Tom	Kane	FASORtronics LLC	tom@fasortronics.com	
31	Carl	Kempf	Iris AO, Inc.	carl.kempf@irisao.com	Recent Advances in Control of Segmented Deformable Mirrors for Applications in Vision Science and Biological Imaging
32	Jessica	Lu	IfA, University of Hawaii	jlu@ifa.hawaii.edu	Astrometry with MCAO on Gemini South
33	Bruce	Macintosh	Lawrence Livermore National Lab	macintosh1@llnl.gov	Status of the Gemini Planet Imager
34	Jason	Marsack	University of Houston	jmarsack@optometry.uh.edu	
35	Chris	Matthews	University of Notre Dame	cmatthew@nd.edu	
36	Claire	Max	UC Santa Cruz	max@ucolick.org	
37	Nate	McCrary	University of Montana	nate.mccrary@umontana.edu	Absolute Photometric Calibration of AO Images

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38	Rosalie	McGurk	UC Santa Cruz	rmcgurk@ucsc.edu	Spatially Resolved Spectroscopy to Confirm or Disprove Dual Active Galactic Nuclei
39	Anne	Medling	UC Santa Cruz	amedling@ucolick.org	Unveiling the Hearts of Major Mergers with Laser Guide Star Adaptive Optics
40	Takashi	Murata	National Institute for Basic Biology, Japan	tkmurata@nibb.ac.jp	Poster: Observation and Simulation of the Deflection of Light Through the Plant Cell
41	Andy	Norton	UC Santa Cruz	apnorton@gmail.com	Woofers-tweeters Control Architecture for the New ShaneAO System; Testing Reflectivity of Laser Coatings on MEMS DMs
42	Angel	Otarola	Thirty Meter Telescope Project	aotarola@tmt.org	Capabilities at the UBC/LZT Site for testing LGS lasers
43	David	Palmer	Lawrence Livermore National Lab	palmer25@llnl.gov	A Sparse Matrix Reconstructor as a Risk Mitigation for GPI
44	Tommaso	Pardini	Lawrence Livermore National Lab	pardini2@llnl.gov	Simulating Wavefront Correction via Deformable Mirrors at X-Ray Beamlines
45	Karen	Pena	UC Santa Cruz	kjpena@ucolick.org	
46	Lisa	Poyneer	Lawrence Livermore National Lab	poyneer1@llnl.gov	Analysis of X-ray Wavefront Sensors and Lab Fees Predictive AO Project Goals; Predictive AO Project Report
47	Gustavo	Rahmer	University of Arizona	grahmer@lbto.org	ARGOS: the Laser Guide Star System for the LBT
48	Rachel	Rampy	UC Santa Cruz	rrampy@ucsc.edu	Poster & Talk: Investigations of Long Pulse Sodium Laser Guide Stars
49	Sowmya	Ravikumar	UC Berkeley	ravikumar@berkeley.edu	Binocular Visual Performance with Monovision-based Correction
50	David	Redding	Jet Propulsion Lab/NASA	david.c.redding@jpl.nasa.gov	Large SiC and Hybrid Optics for Spaced-based Astronomy
51	Reed	Riddle	California Institute of Technology	riddle@caltech.edu	Building a Better Robot: Fully Autonomous Adaptive Optics with Robo-AO
52	Jenny	Roberts	Jet Propulsion Lab	jennifer.e.roberts@jpl.nasa.gov	
53	Simon	Rochester	Rochester Scientific	simon@rochesterscientific.com	

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54	Alexander	Rudy	UC Santa Cruz	arrudy@ucsc.edu	
55	Ramkumar	Sabesan	UC Berkeley	rsabesan@berkeley.edu	Neural Plasticity Stimulated by Improved Optics
56	Dmitry	Savransky	Lawrence Livermore National Lab	savransky1@llnl.gov	
57	Scott	Severson	Sonoma State University	scott.severson@sonoma.edu	KAPAO: A Visible/NIR NGS AO System for the Table Mountain 1-Meter Telescope
58	Sergey	Shumko	Big Bear Solar Observatory/NJIT	shoumko@bbsso.njit.edu	
59	Breann	Sitarski	UC Los Angeles	bsitarski@astro.ucla.edu	
60	Xiaodong	Tao	UC Santa Cruz	taoxd@soe.ucsc.edu	Live Imaging Using Adaptive Optics with Fluorescent Protein Guide-stars
61	Jonathan	Tesch	Jet Propulsion Lab	Jonathan.A.Tesch@jpl.nasa.gov	Minimum Variance Control and Prediction for AO
62	Mitchell	Troy	Jet Propulsion Lab	mtroy@jpl.nasa.gov	
63	Pete	Tucker	W. M. Keck Observatory	ptucker@keck.hawaii.edu	
64	Lianqi	Wang	Thirty Meter Telescope Project	lianqi@caltech.edu	Testing GPU Based RTC for TMT NFIRAOS
65	Leslie	Ward	UC Santa Cruz	laward@ucolick.org	
66	George	Waring, IV	Magill Vision Center, Storm Eye Institute - MUSC	georgewaringiv@gmail.com	<b>KEYNOTE SPEAKER</b> Computer-based Cortical Vision Training after Corneal and Lens-based Refractive Surgery; Small Aperture Corneal Inlays to Increase Depth of Focus in Presbyopia
67	Gunther	Witzel	UC Los Angeles	witzel@astro.ucla.edu	Modeling Atmospheric Anisoplanatism and Instrumental Aberrations for NIRC2 at the Keck Telescope: Status of the Project
68	Sylvana	Yelda	UC Los Angeles	syelda@astro.ucla.edu	Direct Orbital Parameter Estimates of the Young Stellar Disks in the Galactic Center
69	Robert	Zawadzki	UC Davis	rjzawadzki@ucdavis.edu	