

**SUNDAY, June 3, 2007**  
**Reception – Bancroft Hotel, 6 - 8 PM**

**MONDAY, June 4, 2007**

<b>8:00</b>	REGISTRATION & CONTINENTAL BREAKFAST	
<b>8:30 - 10:00</b>	<p style="text-align: center;"><b>Conference Kickoff</b>                      (Chairs: Guyon &amp; Kalas)  <b>Paul Kalas</b> – <i>The Spirit of Lyot Conference: Motivations &amp; Goals</i></p> <p style="text-align: center;"><b>Bernard Lyot: The Spirit of Innovation</b>  <b>Karl Hufbauer</b> – <i>The life and work of Lyot 1897-1939</i>  <b>Audouin Dollfus</b> – <i>Lyot after 1939</i></p>	<p style="text-align: right;"><b>25+5</b></p> <p style="text-align: right;"><b>25+5</b></p> <p style="text-align: right;"><b>25+5</b></p>
<b>10:00</b>	COFFEE BREAK & POSTERS	
<b>10:30 - noon</b>	<p style="text-align: center;"><b>Advances in Solar Coronagraphy</b>  <b>Doug Rabin</b> - <i>Review</i></p> <p style="text-align: center;"><b>The Coronagraph Tree of Life</b>  <b>Olivier Guyon</b> - <i>Review</i></p>	<p style="text-align: right;"><b>40+5</b></p> <p style="text-align: right;"><b>40+5</b></p>
<b>noon</b>	LUNCH – BANCROFT HOTEL	
<b>1:30 - 3:00</b>	<p style="text-align: center;"><b>Planet Formation &amp; Evolution Theory</b>                      (Chairs: Marley &amp; Graham)  <b>Greg Laughlin</b> – <i>Review: Formation and Evolution of Planetary Systems</i>  <b>Taro Matsuo</b> - <i>Planetary formation scenarios revisited: core-accretion versus disk instability</i>  <b>Hannah Jang-Condell</b> - <i>Disk Instability vs. Core Accretion: Observable Discriminants</i></p> <p style="text-align: center;"><b>POSTERS:</b>  <b>Marc Kuchner</b> - <i>Mass-Radius Relationships for Earths and Super-Earths</i></p>	<p style="text-align: right;"><b>45+5</b></p> <p style="text-align: right;"><b>12+3</b></p> <p style="text-align: right;"><b>12+3</b></p>
<b>3:00</b>	COFFEE BREAK & POSTERS	
<b>3:30 – 4:35</b>	<p style="text-align: center;"><b>Cool Atmospheres - Theory</b>                      (Chairs: Marley &amp; Chauvin)  <b>M. Marley</b> – <i>Review: Characterization of Extrasolar Planets: Lessons From Atmospheres Modeling</i>  <b>J. Fortney</b> - <i>Extreme Planetary Atmospheres: Modeling Hot Jupiters</i></p>	<p style="text-align: right;"><b>40+5</b></p> <p style="text-align: right;"><b>12+3</b></p>
<b>4:35 – 5:30</b>	<p style="text-align: center;"><b>Poster Express I</b>                      2-minute oral presentations for all posters on the                      Monday, Tuesday and Wednesday schedules.</p>	

**TUESDAY, June 5, 2007**

<b>8:00</b>	CONTINENTAL BREAKFAST	
<b>8:30 - 10:00</b>	<p><b>Known Extrasolar Planets in the Solar Neighborhood</b> (Chairs: Chauvin &amp; Kalas)</p> <p><b>Geoff Marcy</b> – <i>Observed Properties of Exoplanets</i>  <b>Markus Mugrauer</b> - <i>Multiplicity of planet host stars</i>  <b>Xavier Bonfils</b> - <i>Gliese 581: A system with 3 very low-mass planets</i></p>	<p><b>50+10</b>  <b>12+3</b>  <b>12+3</b></p>
<b>10:00</b>	COFFEE BREAK & POSTERS	
<b>10:30 - noon</b>	<p><b>Contemporary Coronagraphy</b> (Chairs: Macintosh &amp; Clampin)</p> <p><b>Anand Sivaramakrishnan</b> – <i>The Lyot Project: status and results</i>  <b>Anthony Boccaletti</b> - <i>Coronagraphic differential imaging at VLT/NACO</i>  <b>Patrice Martinez</b> - <i>Optimization of apodized pupil Lyot coronagraph for planet finder instruments</i>  <b>Glenn Schneider</b> - <i>High Contrast Imaging with NICMOS - I: Teaching an Old Dog New Tricks with Coronagraphic Polarimetry</i>  <b>Michael Shao</b> – <i>Visible nulling coronagraphy</i>  <b>Matthew Kenworthy</b> - <i>Exoplanet Surveys at Five Microns with Direct and APP Imaging at the MMT Observatory</i></p> <p><b>POSTERS:</b>  <b>Dean Hines</b> - <i>High contrast imaging with NICMOS - Coronagraphic polarimetry</i></p>	<p><b>12+3</b>  <b>12+3</b>  <b>12+3</b>  <b>12+3</b>  <b>12+3</b>  <b>12+3</b></p>
<b>noon</b>	LUNCH & POSTERS	
<b>1:15 - 2:15</b>	<p><b>Poster Express II</b>  <b>2-minute oral presentations for all posters on the Thursday schedule.</b></p>	
<b>2:15 - 3:00</b>	<p><b>Coronagraph Theory &amp; Innovation</b> (Chairs: Guyon &amp; Macintosh)</p> <p><b>Ruslan Belikov</b> - <i>Laboratory Results in High Contrast Imaging with the Shaped Pupil Coronagraph</i>  <b>Alexis Carlotti</b> - <i>Apodized apertures using a Mach-Zehner interferometer. Laboratory results.</i>  <b>Johanan Codona</b> – <i>Phase apodization coronagraphy</i></p>	<p><b>12+3</b>  <b>12+3</b>  <b>12+3</b></p>
<b>3:00</b>	COFFEE BREAK & POSTERS	

**Spirit of Lyot - Draft Conference Agenda - May 29, 2007**

<b>3:30 - 5:15</b>	<b>Lyu Abe</b> - <i>Status of PIAA-related experiments and projects</i>	<b>12+3</b>
	<b>Erin Ford</b> - <i>Optical Vortex Coronagraph</i>	<b>12+3</b>
	<b>David Palacios</b> - <i>Broadband Performance of a holographic vortex coronagraph</i>	<b>12+3</b>
	<b>Pierre Baudoz</b> - <i>Multiple-stage four quadrant phase mask coronagraph</i>	<b>12+3</b>
	<b>Webster Cash</b> - <i>External Occulters for direct exoplanet studies</i>	<b>12+3</b>
	<b>Eric Cady</b> - <i>Optimal design &amp; tolerancing of occulters for finding Earth-like planets</i>	<b>12+3</b>
	<b>Bertrand Mennesson</b> - <i>A single-mode nulling rotating coronagraph for high contrast ground based imaging</i>	<b>12+3</b>
	<b>POSTERS:</b>	
	<b>Anthony Boccaletti</b> - <i>Development of Coronagraphs for Exoplanet Detection with SPHERE</i>	
	<b>Alexis Carlotti</b> - <i>The prolate apodized solar coronagraph</i>	
	<b>John Krist</b> - <i>PROPER: An IDL Optical Propagation Library</i>	
	<b>Sylvestre Lacour</b> - <i>Self-calibration of coronagraphic OTF</i>	
	<b>Dimitri Mawet</b> - <i>Annular Groove Phase Mask: an achromatic vortex coronagraph intended at differential polarimetric imaging</i>	
	<b>Mamadou N'Diaye</b> - <i>Apodized pupil lyot coronagraph, working without Lyot stop</i>	
	<b>Shinichiro Tanaka</b> - <i>Laboratory demonstration of the PIAA/Binary-mask hybrid coronagraph</i>	
	<b>Julien Totems</b> - <i>High contrast tests with a PIAA coronagraph in air</i>	

**WEDNESDAY, June 6, 2007**

<b>8:00</b>	CONTINENTAL BREAKFAST	
<b>8:30 - 10:00</b>	<p><b>Wavefront Control, Observing Techniques and Methods</b> (Chairs: Guyon &amp; Macintosh)</p> <p><b>Lisa Poyneer</b> – Review – <i>Wavefront control for high-contrast imaging</i> <b>40+5</b>  <b>Remi Soummer</b> - <i>Speckle noise in high dynamic range imaging, an overview</i> <b>12+3</b>  <b>Christian Marois</b> – <i>Speckle noise attenuation in Coronagraphy and high contrast imaging</i> <b>12+3</b>  <b>Raphael Galicher</b> - <i>Principle, simulations &amp; performances of the self-coherent camera</i> <b>12+3</b></p>	
<b>10:00</b>	COFFEE BREAK & POSTERS	
<b>10:30 - noon</b>	<p><b>John Trauger</b> - <i>Active wavefront control for high contrast exoplanet imaging from space</i> <b>12+3</b>  <b>Laurent Pueyo</b> - <i>Performance study of integrated coronagraph-adaptive optics designs</i> <b>12+3</b>  <b>Jamie Lloyd</b> - <i>Inside the spot: High contrast imaging with AO non-redundant masking interferometry</i> <b>12+3</b>  <b>Franco Joos</b> - <i>Polarimetric direct detection of extrasolar planets with SPHERE/ZIMPOL</i> <b>12+3</b>  <b>Mary Anne Peters</b> - <i>BESSEL: A high strehl visible telescopic test bed for planet finding coronagraphs</i> <b>12+3</b>  <b>Amir Give'on</b> - <i>Electric field conjugation-based wavefront correction algorithm for high contrast imaging systems - experimental results</i> <b>12+3</b></p> <p><b>POSTERS:</b></p> <p><b>Vincent Coude du Foresto</b> - <i>Prospects for nulling interferometry from Antarctica</i>  <b>Justin Crepp</b> - <i>High-contrast imaging of visual binary stars</i>  <b>Sandra Jeffers</b> – <i>Science goals of the Extreme Polarimeter</i>  <b>Takayuki Kotani</b> - <i>Low speckle noise coronagraph with UNI+PAC</i>  <b>Michael McElwain</b> - <i>Speckle Suppression with the OSIRIS IFS</i>  <b>Guy Perrin</b> - <i>Diffraction-limited high dynamic range imaging from the visible to the infrared</i>  <b>Michiel Rodenhuis</b> - <i>Design Options for the Extreme Polarimeter (ExPo)</i>  <b>Daniel Rouan</b> - <i>Nulling interferometry - A new concept of achromatic phase shifters using cellular mirrors</i>  <b>Gene Serabyn</b> – <i>ExAO experiments with a well-corrected subaperture</i>  <b>Christophe Verinaud</b> - <i>EPICS performance evaluation through analytical &amp; numerical modeling</i></p>	
<b>noon</b>	LUNCH	
<b>1:30 - 3:00</b>	<p><b>Direct Imaging of Planets &amp; Brown Dwarfs</b> (Chairs: Marley &amp; Chauvin)</p> <p><b>Gael Chauvin</b> - <i>Direct Imaging Detection of Planets and Brown Dwarfs</i> <b>40+5</b>  <b>Kevin Luhman</b> - <i>Measuring the physical properties of young substellar companions</i> <b>12+3</b>  <b>Jay Farihi</b> - <i>An HST/NICMOS coronagraphic search for planetary mass companions to nearby young stars</i> <b>12+3</b>  <b>David Lafreniere</b> - <i>Results of the Gemini Deep Planet Survey -- constraints on the existence of planets on wide orbits</i> <b>12+3</b></p>	
<b>3:00</b>	COFFEE BREAK & POSTERS	

**Spirit of Lyot - Draft Conference Agenda - May 29, 2007**

<b>3:45 - 5:15</b>	<b>Beth Biller</b> - <i>An imaging survey for extrasolar planets around 54 close, young stars with SDI at the VLT and MMT</i>	<b>12+3</b>
	<b>Guillaume Montagnier</b> - <i>Characterization of the brown dwarf desert around solar neighborhood G&amp;K dwarfs using NACO-SDI.</i>	<b>12+3</b>
	<b>Laird Close</b> - <i>Detection of planetary mass objects with LGS AO</i>	<b>12+3</b>
	<b>Joseph Carson</b> - <i>A database of companion search non-detection for nearby stars</i>	<b>12+3</b>
	<b>Angelle Tanner</b> - <i>Companion survey of SIM PlanetQuest targets</i>	<b>12+3</b>
	<b>Marc Kuchner</b> - <i>The First Science from the Keck Interferometer Nuller</i>	<b>12+3</b>
<b>6:30</b>	<b>POSTERS:</b>	
	<i><b>BANQUET</b></i> <i>UC Berkeley Faculty Club</i>	

**THURSDAY, June 7, 2007**

<b>8:00</b>	CONTINENTAL BREAKFAST	
<b>8:45 - 10:00</b>	<p><b>Observational properties of protoplanetary &amp; debris disks</b> (Chairs: Stapelfeldt &amp; Kalas)</p> <p><b>M. Wyatt</b> – Review - <i>Disk dynamical theory and the observables</i></p> <p><b>John Krist</b> – Review - <i>Coronagraphic Imaging of Debris Disks with HST</i></p>	<p><b>40+5</b></p> <p><b>25+5</b></p>
<b>10:00</b>	COFFEE BREAK	
<b>10:30 - noon</b>	<p><b>Dean Hines</b> - <i>The Moth: An Unusual Circumstellar Debris Structure Associated with HD 61005</i></p> <p><b>Christine Chen</b> - <i>Dust &amp; Gas around Beta Pictoris</i></p> <p><b>Emmanuel DiFolco</b> - <i>The faint hot component of debris disks revealed by infrared interferometers</i></p> <p><b>Stan Metchev</b> - <i>Multi-Wavelength Modeling of the Resolved Debris Disk around HD 107146</i></p> <p><b>John Debes</b> - <i>Red, Grey, or Blue? The colors of nearby circumstellar disks</i></p> <p><b>Carol Grady</b> - <i>The evolution of protoplanetary disks: A decade of HST coronagraphy</i></p> <p><b>POSTERS:</b></p> <p><b>Misato Fukagawa</b> – <i>Near-infrared images of the disk around HD 142527</i></p> <p><b>David Golimowski</b> – <i>Observations and Models of the Debris Disk around the K dwarf HD 92945</i></p> <p><b>Tomonori Hioki</b> – <i>Near-infrared coronagraphic observations of the T Tauri Binary UY Aur</i></p> <p><b>Paul Kalas</b> – <i>The Blue Needle: Extreme asymmetry in the HD 15115 debris disk</i></p> <p><b>Rowin Meijerink</b> - <i>Probing X-ray Irradiated Protoplanetary disks</i></p> <p><b>Nick Miesen</b> - <i>A laboratory simulator of polarized light from exoplanets and circumstellar disks</i></p> <p><b>Andrew Skemer</b> - <i>The First Resolution of the 0.1 Binary T Tau Sa and Sb at 10 at 10 um with MMT Mid-IR AO and Super-Resolution</i></p> <p><b>Karl Stapelfeldt</b> – <i>An HST/Spitzer Study of the HD 10647 Debris Disk</i></p> <p><b>Karl Stapelfeldt</b> – <i>Circumstellardisks.org: An online database of spatially resolved circumstellar disks</i></p> <p><b>Chris Stark</b> - <i>Debris disk structure induced by terrestrial-mass planets</i></p> <p><b>John Wisniewski</b> - <i>HST/ACS coronagraphic observations of the HD 163296 circumstellar disk: Evidence of time-variable self-shadowing?</i></p>	<p><b>12+3</b></p> <p><b>12+3</b></p> <p><b>12+3</b></p> <p><b>12+3</b></p> <p><b>12+3</b></p> <p><b>12+3</b></p>
<b>noon</b>	LUNCH – BANCROFT HOTEL	
<b>1:30 - 3:00</b>	<p><b>Future Instruments &amp; Telescopes</b> (Chairs: Clampin &amp; Stapelfeldt)</p> <p><b>Jean-Luc Beuzit</b> – <i>SPHERE: An exoplanet finder instrument for the VLT</i></p> <p><b>Bruce Macintosh</b> – <i>The Gemini Planet Imager</i></p> <p><b>Motohide Tamura</b> - <i>HiCIAO and exoplanet/disk searches on Subaru</i></p> <p><b>Markus Kasper</b> - <i>EPICS: A planet hunter for the European ELT</i></p>	<p><b>20+5</b></p> <p><b>20+5</b></p> <p><b>12+3</b></p> <p><b>12+3</b></p>
<b>3:00</b>	COFFEE BREAK	

**Spirit of Lyot - Draft Conference Agenda - May 29, 2007**

<b>3:30 – 5:30</b>	<b>Michael Meyer</b> - <i>Studying the Formation and Evolution of Planetary Systems with JWST: High contrast imaging with NIRCcam and FGS/TFI</i>	<b>25+5</b>
	<b>Daniel Rouan</b> - <i>JWST MIRI</i>	<b>12+3</b>
	<b>Keigo Enya</b> - <i>The SPICA Coronagraph Project</i>	<b>12+3</b>
	<b>Roger Angel</b> – <i>Thermally actuated primary mirror for space exoplanet imaging with TOPS</i>	<b>12+3</b>
	<b>Wes Traub</b> - <i>Review Terrestrial Planet Finder (TPF-C &amp; TPF-I)</i>	<b>40+5</b>
	<b>POSTERS:</b>	
	<b>Celine Cavarroc</b> - <i>Centering procedures with the coronagraphs of MIRI</i>	
	<b>Mark Clampin</b> - <i>Optical Design of the James Webb Space Telescope (JWST)</i>	
	<b>John Krist</b> - <i>The JWST NIRCcam Coronagraph</i>	
	<b>David Lafreniere</b> – <i>The JWST tunable filter (TFI) coronagraph</i>	
	<b>Chuck Lillie</b> - <i>New Worlds Observer: From Minotaur to Ares V: From Proof of Concept to LifeFinder</i>	
	<b>Richard Lyon</b> – <i>Toward a comparative analysis of approaches for direct detection of exo-solar planets</i>	
	<b>Russel Makidon</b> – <i>The challenges of coronagraphy with JWST</i>	
	<b>David Mouillet</b> - <i>VLT-SPHERE scientific goals and performance</i>	
	<b>Stuart Shaklan</b> – <i>Terrestrial Planet Finder Coronagraph Mission Overview</i>	
	<b>Arthur Vigan</b> - <i>Characterizing extra-solar planets with long slit spectroscopy</i>	
	<b>John Wilson</b> – <i>LMIRCcam 3-5 micron imager for the LBT combined focus</i>	

**FRIDAY, June 8, 2007**

<b>8:00</b>	<b>CONTINENTAL BREAKFAST</b>	
<b>8:30-10:15</b>	<p><b>Charting the Course for the Next Generation of High Contrast Imagers</b> (Chairs: Stapelfeldt &amp; Illingworth)</p> <p><b>Small missions and concepts for planet-finding</b></p> <p><b>John Trauger</b> – <i>ECLIPSE</i> <b>12+3</b>  <b>Mark Clampin</b> – <i>Extrasolar Planetary Imaging Coronagraph</i> <b>12+3</b>  <b>Anthony Boccaletti</b> (for <b>Jean Schneider</b>) - <i>The Super-Earth Explorer</i> <b>12+3</b>  <b>Sara Heap</b> - <i>Finding terrestrial planets using external occulters</i> <b>12+3</b>  <b>Olivier Guyon</b> - <i>Direct imaging of nearby exoplanets with a small size space telescope: Telescope to Observe Planetary System (TOPS)</i> <b>12+3</b></p> <p><b>The Future Role of ELT's</b></p> <p><b>Laird Close</b> – GMT: Science and Status <b>12+3</b>  <b>Bruce Macintosh</b> - <i>Direct detection of extrasolar planets with the Thirty Meter Telescope</i> <b>12+3</b></p>	
<b>10:15</b>	<b>COFFEE BREAK</b>	
<b>10:45-12:15</b>	<p><b>Panel Discussion: Charting the course...</b></p> <p><b>Garth Illingworth</b> - <i>Challenges and Opportunities: the Decadal Survey and Science Funding</i> <b>30</b></p> <p><b>PANEL</b> [Roger Angel, Mark Clampin, Garth Illingworth, Geoff Marcy, Andreas Quirrenbach, TBD] <b>60</b></p>	
<b>12:15-12:35</b>	<p><b>Conference Summary</b> <b>James Graham</b></p>	<b>20</b>
	<b>ADJOURN</b>	