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University of California San Diego
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Professional Preparation

University of California, San Diego	Physics	BS 1996
California Institute of Technology	Physics	MS 1999, PhD 2001
University of California Los Angeles	Astrophysics	2001-2004
American Museum of Natural History	Astrophysics	2004-2005

Appointments

University of California San Diego	Assistant Professor	2009-present
Massachusetts Institute of Technology	Associate Professor	2009-present
Massachusetts Institute of Technology	Assistant Professor	2005-2009
American Museum of Natural History	Postdoctoral Fellow	2004-2005
University of California Los Angeles	Postdoctoral Fellow	2001-2004

Memberships

American Astronomical Union, International Astronomical Union, National Society of Black Physicists, SACNAS

Select Publications

1. R. Simcoe, **A. J. Burgasser**, R. Bernstein, B. C. Bigelow, J. Fishner, W. Forrest, C. McMurtry, J. Pipher, & P. Schechter, "FIRE: A near infrared cross-dispersed echellette spectrometer for the Magellan telescopes." *SPIE*, **7014**, 27 (2008);
2. **A. J. Burgasser**, C. G. Tinney, M. C. Cushing, D. Saumon, M. S. Marley, C. Bennett, & J. D. Kirkpatrick "2MASS J09393548-2448279: The Coldest and Least Luminous Brown Dwarf Binary Known?" *Astrophys. J. Letters*, **689**, L53-L56 (2008);
3. **A. J. Burgasser**, "Binaries and the L Dwarf/T Dwarf Transition." *Astrophys. J.* **659**, 655-674 (2007);
4. **A. J. Burgasser**, J. D. Kirkpatrick, & A. Burrows, "A Method for Determining the Physical Properties of the Coldest Known Brown Dwarfs", *Astrophys. J.* **639**, 1095-1113 (2006);
5. **A. J. Burgasser**, J. D. Kirkpatrick, K. L. Cruz, I. N. Reid, S. K. Leggett, J. Liebert, A. Burrows, & M. E. Brown, "Hubble Space Telescope NICMOS Observations of T Dwarfs: Brown Dwarf Multiplicity and New Probes of the L/T Transition." *Astrophys. J. Supp.* **166**, 585-612 (2006);
6. **A. J. Burgasser**, T. R. Geballe, S. K. Leggett, J. D. Kirkpatrick & D. A. Golimowski. "A Unified Near Infrared Spectral Classification Scheme for T Dwarfs." *Astrophys. J.* **637**, 1067-1093 (2006);
7. **A. J. Burgasser**, J. D. Kirkpatrick, A. Burrows, J. Liebert, I. N. Reid, J. E. Gizis, M. R. McGovern, L. Prato, & I. S. McLean, "The First Substellar Subdwarf? Discovery of a Metal-poor L Dwarf with Halo Kinematics", *Astrophys. J.* **592**, 1186-1192 (2003);
8. **A. J. Burgasser**, J. D. Kirkpatrick, M. E. Brown, I. N. Reid, A. Burrows, J. Liebert, K. Matthews, J. E. Gizis, C. C. Dahn, D. G. Monet, R. M. Cutri, & M. F. Skrutskie, "The Spectra of T Dwarfs. I. Near-Infrared Data and Spectral Classification", *Astrophys. J.* **564**, 421-451 (2002);
9. **A. J. Burgasser**, M. S. Marley, A. S. Ackerman, D. Saumon, K. Lodders, C. C. Dahn, H. C. Harris, & J. D. Kirkpatrick. "Evidence of Cloud Disruption in the L/T Dwarf Transition." *Astrophys. J. Letters* **571**, L151-L154 (2002);

Synergistic Activities

Journal Referee: *Astronomical Journal*, *Astronomy & Astrophysics*, *Astrophysical Journal*, *Nature*, *Monthly Notices of the Royal Astronomical Society*, *Publications of the Astronomical Society of the Pacific*, *Science*

Committee Member: National Optical Astronomy Observatory Telescope Allocation Committee (TAC), 2004-2006, Panel Chair 2004; Hubble Space Telescope TAC, 2006-2007, Panel Chair 2010; Spitzer Space Telescope TAC, 2008

International Representative: Australian Telescope Users Committee, 2004

Educational/Public Outreach: Instructor for the Center for Adaptive Optics Akamai and Mainland Short Courses (Inquiry Education), 2004; “Astrofacts!” radio programming for KOPO-LP Paia Youth Radio, 2009

Contribution to Diversity: Member, National Society of Black Physicists and SACNA, 2008-present; Survey on Perceptions of Appropriate Behavior between Students and Advisors (with J. Faherty) for the 2009 Women in Astronomy conference

Development of Research Databases: Co-developer of the *Low-mass Star and Brown Dwarf Archives* (with C. Gelino & J.D. Kirkpatrick), <http://dwarfarchives.org>; co-developer of the *VLM Binary Archive* (with N. Siegler & C. Gelino), <http://vlmbinaries.org>; developer of *Spex Prism Spectral Libraries*, <http://www.browndwarfs.org/spexprism>

Active Collaborators

A. S. Ackerman (NASA Ames), P. Allen (Penn. St.), R. Bernstein (U. Michigan), J. Bloom (UC Berkeley), A. Burrows (U. Arizona), J. Caballero (U. Complutense de Madrid), K. L. Cruz (Caltech), M. C. Cushing (U. Hawaii), C. Dahn (USNO), T. Dupuy (U. Hawaii), C. Gelino (Caltech/SSC), S. Dhital (Vanderbilt), J. E. Gizis (U. Delaware), D. A. Golimowski (STScI), J. D. Kirkpatrick (Caltech/IPAC), S. Leggett (Joint Astronomy Center), S. Lepine (AMNH), J. Liebert (U. Arizona), M. Liu (U. Hawaii), K. Lodders (Washington U.), D.Looper (U. Hawaii), P. J. Lowrance (Spitzer Science Center), E. Mamajek (Harvard CfA), M. S. Marley (NASA Ames), M. Mateo (U. Michigan), M. W. McElwain (Princeton), I. S. McLean (UC Los Angeles), S. Mohanty (Harvard), B. R. Oppenheimer (AMNH), N. Pirzkal (STScI), J. X. Prochaska (UC Santa Cruz), M. E. Putman (U. Michigan), I. N. Reid (STScI), D. Saumon (LLNL), G. Ricker (MIT), D. Saumon (Los Alamos), P. L. Schechter (MIT), M. Shara (AMNH), S. Seager (MIT), N. Siegler (NASA JPL), R. Simcoe (MIT), B. Swift (U. Arizona), C. G. Tinney (AAO, Australia), F. Vrba (USNO), A. West (BU) & J. Winn (MIT)

Graduate and Postdoctoral Advisors

Michael E. Brown (graduate), California Institute of Technology

J. Davy Kirkpatrick (graduate), Infrared Processing and Analysis Center/Caltech

Ian S. McLean (postdoctoral), University of California, Los Angeles

Michael Shara (postdoctoral), American Museum of Natural History

Thesis and Postdoctoral Advisees

Emily Levesque (undergraduate senior thesis), Massachusetts Institute of Technology, 2005-2006 (currently graduate student at U. Hawaii)

Jacqueline Faherty (PhD thesis), SUNY Stony Brook/American Museum of Natural History, 2006-present (expected graduation 2010)

Dagny Looper (PhD thesis), U. Hawaii Institute for Astronomy, 2006-present (expected graduation 2010)

Andrew West (postdoctoral), Massachusetts Institute of Technology, 2008-2009 (currently faculty at Boston University)

John Bochanski (postdoctoral), Massachusetts Institute of Technology, 2008-present