

Quinn M. Konopacky

(a) Professional Preparation

Undergraduate Institution

University of California, Los Angeles	B.S., Astrophysics	2003
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Graduate Institution

University of California, Los Angeles	M.S., Astronomy	2005
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University of California, Los Angeles	Ph.D., Astronomy	2009
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Postdoctoral Institution(s)

Lawrence Livermore National Laboratory	Astronomy	2009-2011
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Dunlap Institute for Astronomy & Astrophysics	Astronomy	2012-2014
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(b) Research Interests

Planet formation and evolution; high contrast imaging; star formation; stellar and substellar evolution; orbital dynamics; high angular resolution imaging and spectroscopy; adaptive optics; astrometry; speckle interferometry; optical and infrared astronomy

(c) Appointments

2015 – present	Assistant Professor of Physics, University of California, San Diego
2012 – 2014	Dunlap Postdoctoral Fellow, Dunlap Institute, University of Toronto
2009 – 2011	Postdoctoral Researcher, Lawrence Livermore Nat. Lab
2003 – 2009	Graduate Student Researcher, University of California, Los Angeles
2001 – 2003	Undergraduate Student Researcher, Lawrence Livermore Nat. Lab

(d) Select Recent Publications

1. **Q. Konopacky** et al. 2016, “Discovery of a Substellar Companion to the Nearby Debris Disk Host HR 2562”, *ApJL*, 829, 4
2. **Q. Konopacky**, C. Marois, B. Macintosh, R. Galicher, T. Barman, S. Metchev, & B. Zuckerman, 2016, “Astrometric Monitoring of the HR 8799 Planets: Orbit Constraints from Self-Consistent Measurements”, *AJ*, 152, 28
3. R. Galicher, C. Marois, B. Macintosh, B. Zuckerman, T. Barman, **Q. Konopacky**, et al. 2016, “The International Deep Planet Survey II: The frequency of directly imaged giant exoplanets with stellar mass”, *A&A*, in press (arXiv: 1607.08239)
4. R.J. De Rosa; E.L. Nielsen; S.C. Blunt.; J.R. Graham.; **Q. Konopacky**; et al.; “Astrometric Confirmation and Preliminary Orbital Parameters of the Young Exoplanet 51 Eridani b with the Gemini Planet Imager”, 2015, *ApJL*, 814, 3
5. B. Macintosh, J. Graham, T. Barman, R. De Rosa, **Q. Konopacky**, et al. 2015, “Discovery and spectroscopy of the young jovian planet 51 Eri b with the Gemini Planet Imager”, *Science*, 350, 64
6. T. Barman, **Q. Konopacky**, B. Macintosh, & C. Marois, 2015, “Simultaneous Detection of Water, Methane, and Carbon Monoxide in the Atmosphere of Exoplanet HR 8799b”, *ApJ*, 804, 61

7. **Q. Konopacky**, T. Barman, B. Macintosh, & C. Marois, 2013, “Detection of Carbon Monoxide and Water Absorption Lines in an Exoplanet Atmosphere”, *Science*, 339, 1398
8. **Q. Konopacky**, S. Thomas, B. Macintosh, D. Dillon, N. Sadakuni, J. Maire, M. Fitzgerald, S. Hinkley, P. Kalas, T. Esposito, C. Marois, P. Ingraham, F. Marchis, M. Perrin, J. Graham, J. Wang, R., K. Morzinski, L. Pueyo, J. Chilcote, J. Larkin, D. Fabrycky, S. Goodsell, R. Oppenheimer, J. Patience, L. Saddlemyer, & A. Sivaramakrishnan, 2014, “Gemini Planet Imager Observational Calibrations V: Astrometry and Distortion”, *SPIE*, 9147, 85
9. **Q. Konopacky**, A. Ghez, T. Barman, E. Rice, J. Bailey, III, R. White, I. McLean, & G. Duchêne, 2010, “High-precision Dynamical Masses of Very Low Mass Binaries”, *ApJ*, 711, 1087
10. C. Marois, B. Zuckerman, **Q. Konopacky**, B. Macintosh, & T. Barman, 2010, “Images of a fourth planet orbiting HR 8799”, *Nature*, 468, 1080
11. **Q. Konopacky**, A. Ghez, D. Fabrycky, B. Macintosh, R. White, T. Barman, E. Rice, G. Hallinan, & G. Duchêne, 2012, “Rotational Velocities of Individual Components in Very Low Mass Binaries”, *ApJ*, 750, 79
12. T. Barman, B. Macintosh, **Q. Konopacky**, & C. Marois, 2011, “The Young Planet-mass Object 2M1207b: A Cool, Cloudy, and Methane-poor Atmosphere”, *ApJ*, 735, 39
13. T. Barman, B. Macintosh, **Q. Konopacky**, & C. Marois, 2011, “Clouds and Chemistry in the Atmosphere of Extrasolar Planet HR8799b”, *ApJ*, 733, 65
14. **Q. Konopacky**, A. Ghez, E. Rice, & G. Duchêne, 2007, “New Very Low Mass Binaries in the Taurus Star-forming Region”, *ApJ*, 663, 394
15. **Q. Konopacky**, A. Ghez, G. Duchêne, C. McCabe, & B. Macintosh, 2007, “Measuring the Mass of a Pre-Main-Sequence Binary Star through the Orbit of TWA 5A”, *AJ*, 133, 2008

(e) Synergistic Activities

- Cal-BRIDGE program mentor, 2015-present
- Led and implemented hands-on exoplanet transit activity for Hermanitas *Avanzamos* Conference, Sponsored by MANA de San Diego, 2015
- Organizing committee for Conference for Undergraduate Women in Physics at UC San Diego, 2015-2016
- Team lead for inquiry-based lab for the Dunlap Summer School as part of the Professional Development Program, 2014
- Co-organizer of the Dunlap Institute Summer Research Program, 2013-2014

(f) Management Experience

- GPI Exoplanet Survey Steering Committee
- GPI Exoplanet Survey Team Leader: Astrometry and Dynamics
- TMT Astrometry Advisory Group
- Student supervisor, 2012-present