

Jeff Cooke

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Education

Ph.D. (Physics) – August 2005, The University of California, San Diego

M.S. (Physics) – June 2001, The University of California, San Diego

B.S. (Astronomy) – May 1997, San Diego State University

Research Interests

High redshift supernovae ($z \sim 2 - 6$)

High redshift galaxy interactions, local and large-scale environments

Quasar absorption-line systems

Research Experience

August 2010 – present: *Science Research Fellow*

Centre for Astrophysics and Supercomputing

Swinburne University of Technology, Hawthorn, VIC, AU

August 2009 – August 2010: *Postdoctoral Researcher*

Cahill Center for Astronomy & Astrophysics

California Institute of Technology, Pasadena, CA

September 2005 – August 2009: *McCue Postdoctoral Fellow*

Center for Cosmology, Department of Physics & Astronomy

The University of California, Irvine, Irvine, CA

May 2000 – September 2005: *Graduate Research Assistant: Extragalactic*

Center for Astrophysics & Space Sciences

The University of California, San Diego, La Jolla, CA

June 1998 – May 2000: *Graduate Research Assistant: Extrasolar Planet Detection*

Center for Astrophysics & Space Sciences

The University of California, San Diego, La Jolla, CA

May 1996 – February 1998: *Instrument Research Assistant*

SDSU Leach CCD Operating Systems Laboratory

San Diego State University, San Diego, CA

Teaching Experience

September 1999 – May 2010: *Adjunct Faculty*

Department of Physics & Astronomy, Grossmont College, El Cajon, CA

July 2006 – August 2006: *Instructor*

Department of Physics & Astronomy, The University of California, Irvine, Irvine, CA

June 2004 – July 2004: *Instructor*

Physics Department, The University of California, San Diego, La Jolla, CA

Teaching Experience (*continued*)

Sept. 1999 – June 2000 & Sept. 2001–June 2002: *Department Senior Teaching Assistant*
Physics Department, The University of California, San Diego, La Jolla, CA

September 1999 – December 1999: *Adjunct Faculty*
Department of Physics & Astronomy, Palomar College, San Marcos, CA

September 1998 – April 1999: *Teaching Assistant / Lecturer*
Physics Department, The University of California, San Diego, La Jolla, CA

September 1997 – May 1998: *Teaching Assistant*
Astronomy Department, San Diego State University, San Diego, CA

January 1998 – May 1998: *Teaching Assistant*
Physics Department, San Diego State University, San Diego, CA

Observing Experience

Keck I & II - 10m: (42 runs/54.5 nights) LRIS, ESI, NIRC, HIRES, DEIMOS, OSIRIS

Subaru - 8m: (4 runs/6 nights) Suprime-Cam

MMT - 6.5m: (1 run/2 nights) Megacam

Palomar - 5m: (18 runs/24 nights) COSMIC, DBSP, LFC, TripleSpec

CTIO - 4m: (2 runs/5 nights) MOSAIC

KPNO - 4m: (1 run/4 nights) MOSAIC

Lick - 3m: (4 runs/6 nights) PFCam, AO engineering asst., KAST

Lick - 1m: (11 runs/86 nights) Direct CCD imaging

RMO, Canary Islands - 1m: (1 run/9 nights) Direct CCD Imaging

Lick - 0.6m: (3runs/3 nights) CAT - Hamilton Echelle Spectrograph

Seminars and Invited Talks

Colloquium, 08/2011, **Swinburne University of Technology**, Hawthorn, VIC, Australia

Keck Science Meeting, 09/2011, **Caltech**, Pasadena, CA, USA

Seminar, 07/2011, **Cambridge University**, Cambridge, UK

A Quarter Century of DLAs: Celebrating the Career of Arthur Wolfe, 07/2011, **MPIA Ringberg Castle**, Germany

Supernovae and Their Host Galaxies, 06/2011, **AAO**, Sydney, NSW, Australia

Colloquium, 03/2011, **San Diego State University**, San Diego, CA, USA

Seminar, 02/2011, **Swinburne University of Technology**, Hawthorn, VIC, Australia

217th Meeting, S423, Supernovae IV, 01/2011, **American Astronomical Society**, Seattle, WA, USA

Have Observations Revealed a Variable Upper End of the Initial Mass Function?, 06/2010, **UP2010**, Sedona, AZ, USA

216th Meeting, S301, A Violent Potpourri: Novae, SNe, etc, 05/2010, **American Astronomical Society**, Miami, FL, USA

Pasadena Postdoc Workshop, 04/2010, **Carnegie Observatories**, Pasadena, CA, USA

Frontiers in Science Seminar, 04/2010, **California State University San Marcos**, CA, USA

Colloquium, 02/2010, **Stanford University**, Palo Alto, CA, USA

Colloquium, 02/2010, **University of California, San Diego**, La Jolla, CA, USA

Colloquium, 02/2010, **University of California, Santa Barbara**, Santa Barbara, CA, USA

Colloquium, 11/2009, **University of California, Riverside**, Riverside, CA, USA

A Festival of Cosmic Explosions (Rogerfest), 08/2009, **Caltech**, Pasadena, CA, USA

Stellar Populations: Planning for the Next Decade, S262, **General Assembly of the IAU**, 08/2009, Rio De Janeiro, Brazil

Colloquium, 04/2009, **California State University Northridge**, CA, USA

Seminar, 03/2009, **University of California, Santa Cruz**, Santa Cruz, CA, USA

Colloquium, 02/2009, **Carnegie Observatories**, Pasadena, CA, USA

213th Meeting, S321, Supernovae I, 01/2009, **American Astronomical Society**, Long Beach, CA, USA

Seminar, 12/2008, **University of California, Riverside**, Riverside, CA, USA

Seminar, 12/2008, **Caltech**, Pasadena, CA, USA

Seminars and Invited Talks (*continued*)

Seminar, 10/2008, **University of California, Los Angeles**, Los Angeles, CA, USA
 Colloquium, 10/2008, **Notre Dame University**, South Bend, IN, USA
Probing Stellar Populations Out to the Distant Universe, 09/2008, **INAF**, Cefalu, Sicily, Italy
Santa Cruz Galaxy Workshop, 08/2008, **University of California, Santa Cruz**, Santa Cruz, CA, USA
 Science with Giant Telescopes Conference, 06/2008, **NOAO GSMT Science Working Group**, Chicago, IL, USA
 Colloquium, 05/2008, **Canada-France-Hawaii Telescope Headquarters**, Kamuela, HI, USA
211th Meeting, S24, The Nature of High-Redshift Galaxies, 01/2008, **American Astronomical Society**, Austin, TX, USA
 Colloquium, 11/2007, **University of California, Davis**, Davis, USA
Santa Cruz Galaxy Workshop, 08/2007 University of California, Santa Cruz, Santa Cruz, CA, USA
HI Survival Through Cosmic Times, 06/2007, **INAF**, Abbazia di Spineto, Sarteano, Italy
 Colloquium, 04/2007, **University of California, Irvine**, Irvine, CA, USA
 Seminar, 03/2007, **Caltech**, Pasadena, CA, USA
 Seminar, 02/2007, **Carnegie Observatories**, Pasadena, CA, USA
Keck Science Meeting, 09/2006, **University of California, Irvine**, Irvine, CA, USA
 Colloquium, 05/2006, **Canada-France-Hawaii Telescope Headquarters**, Kamuela, HI, USA
 Seminar, 03/2006, **University of California, Irvine**, Irvine, CA, USA
205th Meeting, S129, Absorptions and the IGM, 1/2005, **American Astronomical Society**, San Diego, CA, USA

Awards

UCI - McCue Fellowship (2006–2009)
 UCSD - Senior Teaching Assistant Outstanding Service Award (2001-2002)
 UCSD - Teaching Assistant Excellence Award in Physics (1998–1999)
 SDSU - Outstanding Graduate Award in Astronomy (1997)
 SDSU - Lucas Scholarship Award (1996)

Students Supervised

C. Gonzalo Díaz, Ph.D., Astronomy, Swinburne University of Technology, Hawthorn, VIC, AU
 J. Charles Horst, M.S., Astronomy, San Diego State University, San Diego, CA, USA
 Eric Barbour, B.S., Engineering (Senior Thesis), University of California, Irvine, Irvine, CA, USA

- Supervised *Vacation Scholarship* students at Swinburne University of Technology
- Mentored *Upward Bound* high school students at UC San Diego and San Diego State University
- Mentored *REU* summer students at UC San Diego and San Diego State University

Professional Activities

Swinburne-Keck Technical Secretary, Swinburne University of Technology, Hawthorn, VIC, AU
 InfraRed Imaging Spectrograph (IRIS) Working Group for the Thirty Meter Telescope
 2010: The Astronomy and Astrophysics Decadal Survey, First Light Science Case
 NAOJ Subaru and W. M. Keck Observatory Time Allocation Committees
 “Galaxy Formation and Evolution as Revealed by Cosmic Gas” organizing committee, Irvine, CA
 “Swinburne Keck Science Workshop” organizing committee, Melbourne, AU
 Referee for the *Astrophysical Journal* and the *Monthly Notices of the Royal Astronomical Society*

Outreach

Lead public outreach nights and “star parties” (~100 to date) at UC Irvine Observatory, Mount Laguna Observatory, UC San Diego, and Grossmont College for students, the general public, and boy and girl scout troops

Regularly give talks and demonstrations at elementary and middle schools locally, and across the US, to inspire young scientists

Jeffrey Donald Cooke

Refereed Publications:

1. *Pair-instability supernovae at $z = 2.05$ and $z = 3.90$: entering the realm of the first generation of stars*
Cooke, J., Sullivan, M., Gal-Yam, A., & Barton, E. J. 2011, *Nature*, *submitted*
2. *Observed relationship between Lyman break galaxy restframe ultraviolet spectral features and spatial distribution*
Cooke, J. & Omori, Y. 2011, *ApJ*, *submitted*
3. *Physical properties of galactic winds using background quasars*
 Bouché, N., Hohensee, W., Vargas, R., Kacprzak, G. G., Martin, C., **Cooke, J.**, & Churchill, C. W. 2011, *MNRAS*, *submitted*, *arXiv:1110.5877*
4. *Close Galaxy Pairs at $z \sim 3$: A challenge to UV luminosity abundance matching*
 Berrier, J. C. & **Cooke, J.** 2011, *MNRAS*, *submitted*
5. *Measurements of CO redshifts with Z-Spec for lensed submillimeter galaxies discovered in the H-ATLAS survey*
 Lupu, R. E., et al. (52 co-authors) 2011, *ApJ*, *submitted*
6. *A galaxy as the source of a C IV absorption system close to the epoch of reionization*
 Díaz, C. G., Ryan-Weber, E. V., **Cooke, J.**, Pettini, M., & Madau, P. 2011, *MNRAS*, 418, 820
7. *PTF10ops - a subluminous, normal-width light curve Type Ia supernova in the middle of nowhere*
 Maguire, K., Sullivan, M., Thomas, R. C., Nugent, P., Howell, D. A., Gal-Yam, A., Arcavi, I., Ben-Ami, S., Blake, S., Botyanszki, J., Buton, C., **Cooke, J.**, Ellis, R. S., Hook, I. M., Kasliwal, M. M., Pan, Y.-C., Pereira, R., Podsiadlowski, P., Sternberg, A., Suzuki, N., Xu, D., Yaron, O., Bloom, J. S., Cenko, S. B., Kulkarni, S. R., Law, N., Ofek, E. O., Poznanski, D., & Quimby, R. M. 2011, *MNRAS*, 418, 747
8. *Halo Gas and Galaxy Disk Kinematics of a Volume-Limited Sample of MgII Absorption-Selected Galaxies at $z \sim 0.1$*
 Kacprzak, G. G., Churchill, C. W., Barton, E. J., & **Cooke, J.** 2010, *ApJ*, 733, 105
9. *The Subluminous and Peculiar Type Ia Supernova PTF09dav*
 Sullivan, M., Kasliwal, M. M., Nugent, P. E., Howell, D. A., Thomas, R. C., Ofek, E. O., Arcavi, I., Blake, S., **Cooke, J.**, Gal-Yam, A., Hook, I. M., Mazzali, P., Podsiadlowski, P., Quimby, R., Bidsten, L., Bloom, J. S., Cenko, S. B., Kulkarni, S. R., Law, N., & Poznanski, D. 2011, *ApJ*, *accepted*
10. *Spitzer Imaging of Herschel-ATLAS Gravitationally Lensed Submillimeter Sources*
 Hopwood, R., et al. (50 co-authors) 2010, *ApJL*, 728, 4
11. *Hubble Space Telescope Studies of Nearby Type Ia Supernovae: The Mean Maximum Light Ultraviolet Spectrum and its Dispersion*
Cooke, J., Ellis, R. S., Sullivan, M., Nugent, P., Howell, D. A., Gal-Yam, A., Lidman, C., Bloom, J. S., Cenko, S. B., Kasliwal, M. M., Kulkarni, S. R., Law, N. M., Ofek, E. O., & Quimby, R. M. 2011, *ApJL*, 727, 35

12. *The Detection of a Population of Submillimeter-Bright, Strongly Lensed Galaxies*
Negrello, M., et al. it (88 co-authors) 2010, *Science*, 330, 800
13. *Core-collapse Supernovae from the Palomar Transient Factory: Indications for a Different Population in Dwarf Galaxies*
Arcavi, I., et al. (28 co-authors) 2010, *ApJ*, 721, 777
14. *Herschel-ATLAS: Blazars in the science demonstration phase field*
González-Nuevo, J., et al. it (56 co-authors) 2010, *A&A*, 518, 38
15. *Lyman break galaxy close and interacting pairs at $z \sim 3$*
Cooke, J., Berrier, J. C., Barton, E. J., Bullock, J. S., & Wolfe, A. M. 2010, *MNRAS*, 403, 1020
16. *The WHIQII Survey I: Metallicities and Spectroscopic Properties of Luminous Compact Blue Galaxies*
Tollerud, E., Barton, E. J., van Zee, L., & **Cooke, J.** 2010, *ApJ*, 708, 1076
17. *MgII Absorption Characteristics in a Volume-Limited Sample of Galaxies at $z \sim 0.1$*
Barton, E. J. & **Cooke, J.** 2009, *AJ*, 138, 1817
18. *Broadband Imaging Segregation of $Ly\alpha$ Emitting and $Ly\alpha$ Absorbing Galaxies at $z \sim 3$*
Cooke, J. 2009, *ApJL*, 704, 62
19. *Deep Keck u' -Band Imaging of the Hubble Ultra Deep Field: A Catalog of $z \sim 3$ Lyman Break Galaxies*
Rafelski, M., Wolfe, A. M., **Cooke, J.**, Chen, H.-W., Armandroff, T. E., & Wirth, G. D. 2009, *ApJ*, 703, 2033
20. *Type IIIn supernovae at redshift $z \sim 2$ from archival data*
Cooke, J., Sullivan, M., Barton, E. J., Bullock, J. S., Carlberg, R. G., & Tollerud, E. 2009, *Nature*, 460, 237
21. *A Candidate Brightest Proto-Cluster Galaxy at $z = 3.03$*
Cooke, J., Barton, E. J., Bullock, J. S., Stewart, K. S., & Wolfe, A. M. 2008, *ApJL*, 681, 57
22. *Detecting $z > 2$ Type IIIn Supernovae*
Cooke, J. 2008, *ApJ*, 677, 137
23. *The UCSD/KECK Damped $Ly\alpha$ Abundance Database: A Decade of High Resolution Spectroscopy*
Prochaska, J. X., Wolfe, A. M., Howk, J. C., Gawiser, E., Burles, S. M., & **Cooke, J.** 2007, *ApJS*, 171, 29
24. *Survey for Galaxies Associated with $z \sim 3$ Damped $Ly\alpha$ Systems II: Galaxy-Absorber Correlation Functions*
Cooke, J., Gawiser, E., Prochaska, J. X., & Wolfe, A. M. 2006, *ApJ*, 652, 994
25. *The UCSD Radio-selected Quasar Survey for Damped $Ly\alpha$ Systems*
Jorgenson, R. A., Wolfe, A. M., Prochaska, J. X., Lu, L., Howk, J. C., **Cooke, J.**, Gawiser, E., & Gelino, D. M. 2006, *ApJ*, 646, 730

26. *Measurement of the Spatial Cross-Correlation Between Damped Ly α Systems and Lyman Break Galaxies*
Cooke, J., Gawiser, E., Prochaska, J. X., & Wolfe, A. M. 2006, ApJL, 636, 9
27. *A dearth of planetary transits in the direction of NGC 6940*
Hood, B., Cameron, A. C., Kane, S. R., Bramich, D. M., Horne, K., Street, R. A., Bond, I. A., Penny, A. J., Tsapras, Y., Quirrenbach, A., Safizadeh, N., Mitchell, D., & **Cooke, J.** 2005, MNRAS, 360, 791
28. *A survey for planetary transits in the field of NGC 7789*
Bramich, D., Horne, K., Bond, I. A., Street, R. A., Cameron, A.C., Hood, B., **Cooke, J.**, James, D., Lister, T. A., Mitchell, D., Pearson, K., Penny, A. J., Quirrenbach, A., Safizadeh, N., & Tsapras, Y. 2005, MNRAS, 359, 1096
29. *Variable stars in the field of open cluster NGC 6819 – II*
Street, R. A., Horne, K., Lister, T. A., Penny, A. J., Tsapras, Y., Quirrenbach, A., Safizadeh, N., **Cooke, J.**, Mitchell, D., & Cameron, A.C. 2005, MNRAS, 358, 795
30. *Survey for Galaxies Associated with $z \sim 3$ Damped Ly α Systems I: Spectroscopic Calibration of $u'BVRI$ Photometric Selection*
Cooke, J., Gawiser, E., Prochaska, J. X., & Wolfe, A. M. 2005, ApJ, 621, 596
31. *The ESI/Keck II Damped Ly α Abundance Database*
Prochaska, J. X., Gawiser, E., Wolfe, A. M., **Cooke, J.**, & Gelino, D. 2003, ApJS, 147, 227
32. *Searching for planetary transits in the field of open cluster NGC 6819 – I*
Street, R. A., Horne, K., Lister, T. A., Penny, A. J., Tsapras, Y., Quirrenbach, A., Safizadeh, N., **Cooke, J.**, Mitchell, D., & Cameron, A.C. 2003, MNRAS, 340, 1287
33. *Galaxies Associated with $z \sim 4$ Damped Ly α Systems. I. Imaging and Photometric Selection*
Prochaska, J. X., Gawiser, E., Wolfe, A. M., Quirrenbach, A., Lanzetta, K. M., Chen, H., **Cooke, J.**, & Yahata, N. 2002, AJ, 123, 2206
34. *Variable stars in the field of open cluster NGC 6819*
Street, R. A., Horne, K., Lister, T. A., Penny, A. J., Tsapras, Y., Quirrenbach, A., Safizadeh, N., **Cooke, J.**, Mitchell, D., & Cameron, A.C. 2002, MNRAS, 330, 737
35. *The UCSD HIRES/Keck I Damped Ly α Abundance Database. I. The Data.*
Prochaska, J. X., Wolfe, A. M., Tytler, D., Burles, S., **Cooke, J.**, Gawiser, E., Kirkman, D., O'Meara, J., & Storrie-Lombardi, L. 2001, ApJS, 137, 21

Catalogs, Conference Proceedings, White Papers, and Presentations:

1. *First Light Sources at the End of the Dark Ages: Direct Observations of Population III Stars, Proto-Galaxies, and Supernovae During the Reionization Epoch*
Cooke, J., Cooray, A., Chary, R.-R., Bromm, V., Cen, R., Ellis, R., Fernandez, E., Furlanetto, S., Loeb, A., Moore, A. M., Moustakas, L., Oh, P., O'Shea, B., Scannapieco, E., Smith, B., Trenti, M., Venkatesan, A., Whalen, D., Yoshida, N. 2009, *Astronomy*, 2010, 53
2. *LSST Science Book, Version 2.0*
LSST Science Collaborations 2009, arXiv:0912.0201
3. *Detecting $z > 2$ Type II_n Supernovae*
Cooke, J., Sullivan, M., & Barton, E. J. Probing Stellar Populations out to the Distant Universe: Cefalu 2009, American Institute of Physics Conference Series, 1111, 547
4. *The Merger Histories of LCDM Galaxies: Disk Survivability and the Deposition of Cold Baryons Via Mergers.*
Stewart, K., Bullock, J., Wechsler, R., Barton, E., **Cooke, J.**, & Maller, A. 2009, *Bulletin of the American Astronomical Society*, 41, 495
5. *UCSD/Keck Damped Ly α Abundance Database*
Prochaska, J. X., Wolfe, A. M., Howk, J. C., Gawiser, E., Burles, S. M., & Cooke, J. 2009, *Cat*, 21710029
6. *The WHIQL Survey: Luminous Compact Blue Galaxies in a Cosmological Context*
Tollerud, E. J., Barton, E. J., van Zee, L., & **Cooke, J.** 2009, *Bulletin of the American Astronomical Society*, 41, 485
7. *MgII Absorption Characteristics of $z \sim 0.1$ Galaxies in the Sloan Digital Sky Survey*
Barton, E. J., & **Cooke, J.** 2009, *Bulletin of the American Astronomical Society*, 41, 478
8. *Detecting $z > 2$ Type II_n Supernovae*
Cooke, J., Barton, E. J., & Sullivan, M., Massive Stars as Cosmic Engines Through the Ages, Proceedings of the International Astronomical Union, Volume 3, Symposium S250, Cambridge University Press, 2008
9. *A Candidate Proto-Cluster Core Galaxy at $z = 3.03$*
Cooke, J., Barton, E. J., Bullock, J. S., & Wolfe, A. M. 2007, *Bulletin of the American Astronomical Society*, 38, 775
10. *The Clustering of Damped Ly α Absorbers with $2.5 < z < 5.0$ Lyman Break Galaxies*
Cooke, J., Wolfe, A. M., Prochaska, J. X., & Gawiser, E. 2007, HI Survival Through Cosmic Time OAA International Conference Proceedings, Eds. F. Bresolin, P.A. Crowther & J. Puls
11. *The cross-correlation of damped Ly α systems and Lyman break galaxies*
Cooke, J., Wolfe, A. M., Prochaska, J. X., & Gawiser, E. 2006, *New Astronomy Reviews*, 50, 35

12. *Variable stars in NGC 6819 field*
Street, R. A., Horne, K., Lister, T. A., Penny, A. J., Tsapras, Y., Quirrenbach, A., Safizadeh, N., **Cooke, J.**, Mitchell, D., & Cameron, A.C. 2006, Vizie-R On-line Data Catalog, MNRAS, 73580795
13. *The Mass of Systems at $2.5 < z < 5$*
Cooke, J., Wolfe, A. M., Prochaska, J. X., & Gawiser, E. 2005, Bulletin of the American Astronomical Society, 37, 1194, AAS Meeting 207, 22.10
14. *The Spatial Cross-Correlation of Damped Ly α Systems and Galaxies at $z \sim 3$*
Cooke, J., Wolfe, A. M., Gawiser, E., & Prochaska, J. X. 2004, Bulletin of the American Astronomical Society, 36, 1556, AAS Meeting 205, 129.01
15. *The Mass of Damped Ly α Systems at $z \sim 3$: Cross-Correlation with Lyman Break Galaxies (Dissertation Talk)*
Cooke, J., Wolfe, A. M., Gawiser, E., Prochaska, J. X., 2004, Bulletin of the American Astronomical Society, 36, 823, AAS Meeting 204, 91.08
16. *A Survey Of Galaxies Associated With $z \sim 3$ Damped Ly α Absorbers: Inferring Typical Absorber Mass Via Galaxy Bias*
Cooke, J., Wolfe, A. M., Gawiser, E., Prochaska, J. X., 2003, Bulletin of the American Astronomical Society, 36, 589, AAS Meeting 203, 145.04
17. *University of St. Andrews Open Cluster Survey for Hot Jupiters*
Street, R. A., Horne, K., Collier Cameron, A., Tsapras, Y., Bramich, D., Penny, A., Quirrenbach, A., Safizadeh, N., Mitchell, D., **Cooke, J.**, *Scientific Frontiers in Research on Extrasolar Planets, ASP Conference Series*, Ed. by Drake Deming and Sara Seager (San Francisco), 2003, Astronomical Society of the Pacific, 294, 401
18. *Survey and analysis of QSO fields with known $z \sim 3$ damped Ly α systems*
Cooke, J., Wolfe, A. M., Gawiser, E., & Prochaska, J. X. 2002, Bulletin of the American Astronomical Society, 34, 704, AAS Meeting 200, 40.13
19. *A Survey of Lyman Break Galaxies Associated with Damped Ly α Systems at $z \sim 3$*
Cooke, J., Wolfe, A. M., Gawiser, E., Prochaska, J. X., & Darling, J. 2001, Bulletin of the American Astronomical Society, 33, 865, AAS Meeting 198, 54.10
20. *A Search for Planetary Transits in Open Clusters (Contributed Talk)*
Street, R. A., Horne, K., Penny, A., Tsapras, Y., Quirrenbach, A., Safizadeh, N., **Cooke, J.**, Mitchell, D., Cameron, A. C., *Disks, Planetesimals, and Planets, ASP Conference Proceedings*, ed. by F. Garzón, C. Eiroa, D. de Winter, & T. J. Mahoney 2000 Astronomical Society of the Pacific, 219, 572
21. *EXPORT: Search for Transits in Open Clusters with the Jakobus Kapteyn and the Lick 1 m Telescopes (Contributed Talk)*
Quirrenbach, A., **Cooke, J.**, Mitchell, D., Safizadeh, N., Deeg, H., & the EXPORT team, *Disks, Planetesimals, and Planets, ASP Conference Proceedings*, edited by F. Garzón, C. Eiroa, D. de Winter, & T. J. Mahoney 2000, Astronomical Society of the Pacific, 219, 566

22. *A Survey of Lyman Break Galaxies Associated with Damped Ly α Systems at $z \sim 3$*
Cooke, J., Wolfe, A. M., Gawiser, E., & Prochaska, J. X. 2000, Bulletin of the American Astronomical Society, 33, 721, AAS Meeting 197, 134.10

Circulars:

- *The Early Type Ia Supernovae PTF10nlg and PTF10ndc*
 Howell, D. A., Nugent, P., Sullivan, M., **Cooke, J.**, Cenko, S. B., Perley, D., Bloom, J. S., Miller, A. A., Botyanszki, J., Cucchiara, A. 2010, ATel, 2735, 1
- *Optical spectroscopy of SN 2010al; similar to SN 1998S at early times*
Cooke, J., Ellis, R. S., Nugent, P. E., Howell, D. A., Sullivan, M., & Gal-Yam, A. 2010, ATel, 2491, 1
- *GRB 070810: Keck redshift and photometry*
 Thoene, C. C., Perley, D. A., **Cooke, J.**, Bloom, J. S., Chen, H.-W., & Barton, E. J. 2007, GCN, 6741, 1
- *GRB 070809: Keck imaging*
 Perley, D. A., Thoene, C. C., **Cooke, J.**, Bloom, J. S., & Barton, E. J. 2007, GCN, 6739, 1
- *Supernovae 2005kz and 2005la*
Cooke, J., Berrier, J. C., Filippenko, A. V., Foley, & R. J., Matheson, T., 2005, IAUC, 8639, 3C
- *Supernova 2009ex-2009fh and Possible Supernovae K0905-1, K0905-2, K0905-3*
 Kasliwal, M. M., Kulkarni, S. R., Quimby, R., Nugent, P. E., Howell, D. A., **Cooke, J.**, Cenko, S. B., Gal-Yam, A., Law, N., Levitan, D., Ofek, E. O., & Poznanski, D. 2009, CBET, 1820, 2
- *Palomar Transient Factory : Discovery, Photometric and Spectroscopic Follow Up Of Fifteen Optical Transients*
 Kasliwal, M. M., Kulkarni, S. R., Quimby, R., Nugent, P. E., Howell, D. A., **Cooke, J.**, Cenko, S. B., Gal-Yam, A., Law, N., Levitan, D., Ofek, E. O., & Poznanski, D. 2009, ATel, 2055, 1