

**Cumulative Bio-Bibliography**  
**University of California, Santa Cruz**  
**January 24, 2007**

**Stephen E. Thorsett**  
**Professor, Department of Astronomy and Astrophysics**

**EMPLOYMENT**

2006– Dean, Physical and Biological Sciences, UC Santa Cruz  
 2005–06 Acting Dean, Physical and Biological Sciences, UC Santa Cruz  
 2003–05 Chair, Department of Astronomy and Astrophysics, UC Santa Cruz  
 2003– Professor of Astronomy and Astrophysics, UC Santa Cruz  
 1999–03 Associate Professor of Astronomy and Astrophysics, UC Santa Cruz  
 1994–99 Assistant Professor of Physics, Princeton University  
 1991–94 Robert A. Millikan Research Fellow in Physics,  
 California Institute of Technology

**EDUCATION**

1991	Princeton University	Ph.D. (Physics)
1989	Princeton University	M.A. (Physics)
1987	Carleton College	B.A. <i>Summa cum laude</i> (Math, with Honors)

**HONORS AND AWARDS**

1997 Alfred P. Sloan Fellow  
 1994 Ernest F. Fullam Award, Dudley Observatory  
 1988 General Electric Foundation Graduate Fellowship  
 1987 National Science Foundation Graduate Fellowship  
 1987 Joseph Henry Prize, Princeton University  
 1987 Tektronix Foundation Award  
 1987 Elected member, Phi Beta Kappa  
 1987 Elected member, Sigma Xi

**GRANT SUPPORT (funded)**

2005– NSF (P.I.), “Pulsar Interferometry,” accomplishment based renewal  
 (UCSC funding \$281,958)  
 2004– NASA (Co.I., Chair of Science Team), “*The Nuclear Spectroscopic Telescope Array*,”  
 selected for Phase A study 2004,  
 selected for extended Phase A study 2005,  
 non-competitive pre-flight confirmation review scheduled 2006,  
 total proposed funding \$142M, proposed UCSC funding ~\$1M.  
 2004– NASA (Co.I.), “*Swift* Guest Investigator” (UCSC funding \$4300)  
 2004– NASA (Co.I.), “Isolating GRB Supernovae” (*Spitzer*) (UCSC funding \$21,487, declined)  
 2003–04 NASA (Co.I.), “The Origin of Gamma-Ray Bursts,”  
 (UCSC funding \$30,109)  
 2001–05 NSF (P.I.), “Pulsar Interferometry”  
 (UCSC funding \$250,367)  
 2002–04 NASA (Co.I.), “The Origin and Physics of Gamma-Ray Bursts,”

- (UCSC funding \$31,067)
- 2001–03 NASA (Co.I.) “Gamma-Ray Bursts and Their Host Environments,”  
(UCSC funding \$6,272)
- 2000–10 NASA (P.I.) “Observations of Rotation Powered Pulsars in Support of the  
*Gamma-ray Large Area Space Telescope*”  
(UCSC funding \$961,915)
- 2000–02 NASA (Co.I.) “The Source of Gamma-Ray Bursts and the Nature of their Hosts  
(UCSC funding \$15,576)
- 1998–2001 NASA (Co.I.) “The Nature of Gamma-Ray Burster Host Galaxies”  
(UCSC funding \$9,063)
- 1997–2001 Alfred P. Sloan Fellowship  
(UCSC funding \$35,000)
- 1997–98 NASA (Co.-I., Chair of Science Team), Phase A Study funding, “A Broadband  
Observatory for the Localization of Transients,” (total funding \$260,000),
- 1997–2000 NSF (co-P.I.), “Radio Observations of Pulsars”  
(Princeton funding \$1,000,000)
- 1997–98 NASA (P.I.), “Prompt Radio Counterparts to Gamma-Ray Bursts”  
(Princeton funding \$20,000)
- 1995–97 Seaver Institute (P.I.), “A New Approach to the Study of Pulsars”  
(Princeton funding \$170,000)
- 1994–95 NSF (P.I.), “A Search for Prompt Radio Counterparts to GRBs”  
(Princeton funding \$11,000)
- 1994–95 NASA (P.I.), “Rapid Radio Followups to Gamma-Ray Bursts”  
(Princeton funding \$20,000)
- 1992–93 NASA (P.I.), “X-Ray Emission from Two Nearby Millisecond Pulsars”  
(Caltech funding \$10,000)

## PUBLICATIONS

1. “The Formation of the Double Pulsar PSR J0737–3039A/B,”  
Stairs, I. H., Thorsett, S. E., Dewey, R. J., Kramer, M., & McPhee, C. A.,  
*Mon. Not. Royal Ast. Soc.*, **373**, L50–L54 (2006).*[peer reviewed]*
2. “Long  $\gamma$ -ray bursts and core-collapse supernovae have different environments,”  
Fruchter, A. S., Levan, A. J., Strolger, L., Vreeswijk, P. M., Thorsett, S. E., Bersier, D.,  
Burud, I., Castro Cerón, J. M., Conselice, C., Dahlen, T., Ferguson, H. C., Fynbo, J. P. U.,  
Garnavich, P. M., Gibbons, R. A., Gorosabel, J., Gull, T. R., Hjorth, J., Holland, S. T.,  
Kouveliotou, C., Levay, Z., Livio, M., Nugent, P. E., Petro, L., Pian, E., Rhoads, J. E.,  
Riess, A. G., Sahu, K. C., Smette, A., Tanvir, N. R., Wijers, R. A. M. J., & Woosley, S. E.,  
*Nature*, **441**, 463–468 (2006).*[peer reviewed]*
3. “Infrared and Optical Observations of GRB 030115 and its Extremely Red Host Galaxy:  
Implications for Dark Bursts,”  
Levan, A., Fruchter, A., Rhoads, J., Mobasher, B., Tanvir, N., Gorsabel, J., Rol, E.,  
Kouveliotou, C., Dell’Antonio, I., Merrill, M., Bergeron, E., Castro Cerón, J. M., Masetti,  
N., Vreeswijk, P., Bersier, D., Castro-Tirado, A., Fynbo, J., Garnavich, P., Holland, S.,  
Hjorth, J., Nugent, P., Pian, E., Smette, A., Thomsen, B., Thorsett, S., and Woosley, S.,

- Astrophys. J.*, **647**, 471–482 (2006). [peer reviewed]
4. “Implications of a VLBA Parallax for PSR B0656+14,”  
Golden, A., Brisken, W. F., Thorsett, S. E., Benjamin, R. A., & Goss, W. M.,  
*Baltic Astronomy*, **14**, 436–439 (2005).
  5. “Pulsar Astrometry at the Microarcsecond Level,”  
Vlemmings, W. H. T., Chatterjee, S., Brisken, W. F., Lazio, T. J. W., Cordes, J. M.,  
Thorsett, S. E., Goss, W. M., Fomalont, E. B., Kramer, M., Lyne, A. G., Seagroves, S.,  
Benson, J. M., McKinnon, M. M., Backer, D. C., & Dewey, R. J.,  
*Memorie della Societa Astronomica Italiana*, **76**, 531–533 (2005).
  6. “Getting its Kicks: A VLBA Parallax for the Hyper-Fast Pulsar B1508+55,”  
Chatterjee, S., Vlemmings, W. H. T., Brisken, W. F., Lazio, T. J. W., Cordes, J. M., Goss,  
W. M., Thorsett, S. E., Fomalont, E. B., and Kramer, M.,  
*Astrophys. J. Lett.*, **630**, L61–L64 (2005). [peer reviewed]
  7. “Gamma-Ray Burst Selected High Redshift Galaxies: Comparison to Field Galaxy  
Populations to  $z \sim 3$ ,”  
Conselice, C. J., Vreeswijk, P. M., Fruchter, A. S., Levan, A., Kouveliotou, C., Fynbo, J.,  
Gorosabel, J., Tanvir, N. R., & Thorsett, S. E.,  
*Astrophys. J.*, **633**, 29–40 (2005). [peer reviewed]
  8. “On the Afterglow and Host Galaxy of GRB 021004: A Comprehensive Study with the  
*Hubble Space Telescope*”  
Fynbo, J. P. U., Gorosabel, J., Smette, Fruchter, A. S., Hjorth, J., Pedersen, K., Levan, A.,  
Burdud, I., Sahu, K., Vreeswijk, P. M., Bergeron, E., Kouveliotou, C., Tanvir, N., Thorsett, S.  
E., Wijers, R. A. M. J., Castro Cerón, J. M., Garnavich, P., Holland, S. T., Jakobsson, P.,  
Møller, P. M., Nugent, P., Pian, E., Rhoads, J., Watson, D., Woosley, S.  
*Astrophys. J.*, **633**, 317–327 (2005). [peer reviewed]
  9. “GRB 020410: A Gamma-Ray Burst Afterglow Discovered by its Supernova Light,”  
Levan, A., Nugent, P., Fruchter, A., Burud, I., Branch, D., Rhoads, J., Castro-Tirado, A. J.,  
Gorosabel, J., Ceron, J. M. Castro, Thorsett, S. E., Kouveliotou, C., Golenetskii, S., Fynbo,  
J. P. U., Garnavich, P., Holland, S. T., Hjorth, J., Møller, P., Pian, E., Tanvir, N., Ulanov,  
M., Wijers, R. A. M. J., Woosley, S.,  
*Astrophys. J.*, **624**, 880–888 (2005). [peer reviewed]
  10. “A Deep Search with *HST* for Late-Time Supernova Signatures in the Hosts of XRF 011030  
and XRF 020427,”  
Levan, A., Patel, S., Kouveliotou, C., Fruchter, A., Rhoads, J., Rol, E., Ramirez-Ruiz, E.,  
Gorosabel, J., Hjorth, J., Wijers, R., Wood Vasey, M., Bersier, D., Castro-Tirado, A.,  
Fynbo, J., Jensen, B., Pian, E., Tanvir, N., Thorsett, S., and Woosley, S.,  
*Astrophys. J.*, **622**, 977–985 (2005) [peer reviewed]
  11. “Studies of the Relativistic Binary Pulsar PSR B1534+12. II. Origin and Evolution”  
Thorsett, S. E., Dewey, R. J., and Stairs, I. H.,  
*Astrophys. J.*, **619**, 1036–1045 (2005). [peer reviewed]
  12. “Measurement of Gravitational Spin-Orbit Coupling in a Binary Pulsar System,”  
Stairs, I. H., Thorsett, S. E., and Arzoumanian, Z.,  
*Phys. Rev. Lett.*, **93**, 141101 (1 Oct 2004). [peer reviewed]

13. “Update on Pulsar B1620–26 in M4: Timing Analysis and Implications”  
Sigurdsson, S., and Thorsett, S. E.,  
in *Binary Radio Pulsars*, ed. F. A. Rasio and I. S. Stairs, A.S.P. Conference Series, in press  
(2004).
14. “Proper Motion Measurements with the VLA. II. Observations of Twenty-Eight Pulsars,”  
Briskin, W. F., Fruchter, A. S., Goss, W. M., Herrnstein, R. S., and Thorsett, S. E.,  
*Astron. J.*, **126**, 3090–3098 (2003). [*peer reviewed*]
15. “The Distance and Radius of the Neutron Star PSR B0656+14,”  
Briskin, W. F., Thorsett, S. E., Golden, A., and Goss, W. M.,  
*Astrophys. J. Lett.*, **593**, L89–92 (2003). [*peer reviewed*]
16. “Pulsar PSR B0656+14, the Monogem Ring, and the Origin of the ‘Knee’ in the Primary  
Cosmic Ray Spectrum,”  
Thorsett, S. E., Benjamin, R. A., Briskin, W. F., Golden, A., and Goss, W. M.,  
*Astrophys. J. Lett.*, **592**, L71–73 (2003). [*peer reviewed*]
17. “A Young White Dwarf Companion to Pulsar B1620–26: Evidence for Early Planet  
Formation,”  
Sigurdsson, S., Richer, H. B., Hansen, B. M., Stairs, I. H., and Thorsett, S. E.,  
*Science*, **301**, 193–196 (2003). [*peer reviewed*]
18. “*High-resolution Spectroscopic Imaging (HSI) Mission*,”  
Harrison, F. A., Boggs, S. E., Christensen, F. E., Gehrels, N. A., Grindlay, J. E., Chen, C.  
M. H., Craig, W. W., Hailey, C. J., Pinto, P., Thorsett, S. E., Tueller, J., Windt, D. L., and  
Woosley, S. E.,  
in *X-Ray and Gamma-Ray Telescopes and Instruments for Astronomy*, ed. J. E. Truemper  
and H. D. Tananbaum, Proc. SPIE, **4851**, 345–352 (2003).
19. “Pulsar Astronomy with *GLAST*,”  
Thorsett, S. E.,  
in ASP Conf. Ser. 302, *Radio Pulsars*, ed. M. Bailes, D. J. Nice, & S. E. Thorsett, 349–350  
(2003).
20. “Studies of the Relativistic Binary Pulsar PSR B1534+12: I. Timing Analysis,”  
Stairs, I. H., Thorsett, S. E., Taylor, J. H., and Wolszczan, A.,  
*Astrophys. J.* **581**, 501–508 (2002). [*peer reviewed*]
21. “Decapitating the Duck: The (non)association of PSR B1757–24 and the supernova  
remnant G5.4–1.2,”  
Thorsett, S. E., Briskin, W. F., and Goss, W. M.,  
*Astrophys. J. Lett.* **573**, L111–114 (2002). [*peer reviewed*]
22. “VLBA Measurement of Nine Pulsar Parallaxes,”  
Briskin, W. F., Benson, J. M., Goss, W. M., and Thorsett, S. E.,  
*Astrophys. J.* **571**, 906–917 (2002). [*peer reviewed*]
23. “*Hubble Space Telescope* STIS Observations of GRB 000301C: CCD Imaging and  
Near-Ultraviolet MAMA Spectroscopy,”  
Smette, A., Fruchter, A. S., Gull, T. R., Sahu, K. C., Petro, L., Ferguson, H., Rhoads, J.,  
Lindler, D. L., Gibbons, R., Hogg, D. W., Kouveliotou, C., Livio, M., Macchetto, D.,  
Metzger, M. R., Pedersen, H., Pian, E., Thorsett, S. E., Wijers, R., Fynbo, J. P. U.,

- Gorosabel, J., Hjorth, J., Jensen, B. L., Levine, A., Smith, D. A., Cline, T., Hurley, K., and Trombka, J.,  
*Astrophys. J.* **556**, 70-76 (2001). [peer reviewed]
24. “Proper Motion Measurements with the VLA: I. Pulse Gating Techniques,”  
 McGary, R. S., Briske, W. F., Fruchter, A. S., Goss, W. M., and Thorsett, S. E.,  
*Astronomical J.*, **121**, 1192-1198 (2001). [peer reviewed]
25. “*HST* Observations of the Host Galaxy of GRB 970508,”  
 Fruchter, A. S., Pian, E., Gibbons, R., Thorsett, S. E., Ferguson, H., Livio, M., Petro, L.,  
 Caraveo, P., Frontera, F., Kouveliotou, C., Macchetto, D., Palazzi, E., Pedersen, H., Sahu,  
 K., Tavani, M., van Paradijs, J.,  
*Astrophys. J.*, **545**, 664-669 (2000). [peer reviewed]
26. “Measurement of the Parallax of PSR B0950+08 Using the VLBA,”  
 Briske, W. F., Benson, J. M., Beasley, A. J., Fomalont, E. B., Goss, W. M., and Thorsett,  
 S. E.,  
*Astrophys. J.*, **541**, 959-962 (2000). [peer reviewed]
27. “Multifrequency Observations of Giant Radio Pulses from the Millisecond Pulsar  
 B1937+21,”  
 Kinkhabwala, A., and Thorsett, S. E.,  
*Astrophys. J.*, **535**, 365-372 (2000). [peer reviewed]
28. “A Baseband Recorder for Radio Pulsar Observations,”  
 Stairs, I. H., Splaver, E. M., Thorsett, S. E., Nice, D. J., and Taylor, J. H.,  
*Mon. Not. Roy. Astr. Soc.*, **314**, 459-467 (2000). [peer reviewed]
29. “Geodetic Precession in PSR B1534+12,”  
 Stairs, I. H., Thorsett, S. E., Taylor, J. H., and Arzoumanian, Z.,  
 in *Pulsar Astronomy—2000 and Beyond*, Proceedings of the 177th Colloquium of the IAU,  
 ASP Conference Series vol. 202, eds. M. Kramer, N. Wex, and R. Wielebinski (San  
 Francisco: ASP), 121 (2000).
30. “Binary Eclipsing Millisecond Pulsars: A Decade of Timing,”  
 Nice, D. J., Arzoumanian, Z., and Thorsett, S. E.,  
 in *Pulsar Astronomy—2000 and Beyond*, Proceedings of the 177th Colloquium of the IAU,  
 ASP Conference Series vol. 202, eds. M. Kramer, N. Wex, and R. Wielebinski (San  
 Francisco: ASP), 121 (2000).
31. “Recent Observations of PSR B1534+12,”  
 Stairs, I. H., Thorsett, S. E., Taylor, J. H., and Arzoumanian, Z.,  
 in *Galaxies and their Constituents at the Highest Angular Resolution*, IAU Symp. 205,  
 (2000).
32. “Ultraviolet Spectra of GRBs: Potential with STIS,”  
 Smette, A., Gull, T., Lindler, D., Plait, P., Kimble, R., Fruchter, A., Ferguson, H., Galama,  
 T., Hogg, D. W., Kouveliotou, C., Livio, M., Macchetto, D., Metzger, M., van Paradijs, J.,  
 Pedersen, H., Petro, L., Pian, E., Sahu, K., and Thorsett, S.,  
 in *The Greatest Explosions Since the Big Bang: Supernovae and Gamma Ray Bursts*, eds.  
 M. Livio, N. Panagia, and K. Sahu, STScI, Baltimore, 68 (2000).
33. “Pulsars (main subject entry)”

- Thorsett, S. E.,  
in *Encyclopedia of Astronomy and Astrophysics*, ed. P. Murdin (Grove's Dictionaries and the Inst. of Physics Publishing), 2000.
34. "Recent Arecibo Timing of the Relativistic Binary PSR B1534+12,"  
Stairs, I. H., Nice, D. J., Thorsett, S. E., and Taylor, J. H.,  
proceedings of the *Rencontres de Moriond*, ed. J. Trân Thanh Vân *et al.* (Editions de Moriond, Paris) (2000).
  35. "The Triple Pulsar System PSR B1620–26 in M4,"  
Thorsett, S. E., Arzoumanian, Z., Camilo, F., and Lyne, A. G.,  
*Astrophys. J.* **524**, 763-770 (1999). [*peer reviewed*]
  36. "HST and Palomar Imaging of GRB 990123: Implications for the Nature of Gamma-Ray Bursts and their Hosts,"  
Fruchter, A. S., Thorsett, S. E., Metzger, M., Sahu, K. C., Petro, L., Livio, M., Ferguson, H., Pian, E., Hogg, D. W., Galama, T., Gull, T. R., Kouveliotou, C., Macchetto, D., van Paradijs, J., Pedersen, H., Smette, A.,  
*Astrophys. J. Lett.*, **519**, L13-L16 (1999). [*peer reviewed*]
  37. "Coherently-Dedispersed Polarimetry of Millisecond Pulsars,"  
Stairs, I. H., Thorsett, S. E., and Camilo, F.,  
*Astrophys. J. Suppl. Ser.*, **123**, 627-638 (1999). [*peer reviewed*]
  38. "The Fading Optical Counterpart of GRB 970228, Six Months and One Year Later,"  
Fruchter, A. S., Pian, E., Thorsett, S. E., Bergeron, E., Gonzales, R., Metzger, M., Goudfrooij, P., Sahu, K. C., Ferguson, H., Livio, M., Mutchler, M., Petro, L., Frontera, F., Galama, T., Groot, P., Hook, R., Kouveliotou, C., Macchetto, D., van Paradijs, J., Palazzi, E., Pedersen, H., Sparks, W., and Tavani, M.,  
*Astrophys. J.*, **516**, 683-692 (1999). [*peer reviewed*]
  39. "Neutron Star Mass Measurements. I. Radio Pulsars,"  
Thorsett, S. E., and Chakrabarty, D.,  
*Astrophys. J.*, **512**, 288-299 (1999). [*peer reviewed*]
  40. "Pulsar Astronomy (book review)",  
Thorsett, S. E.,  
*Physics Today*, **52**, 69 (1999).
  41. "The Pulsar Triple System PSR B1620–26,"  
Thorsett, S. E., and Arzoumanian, Z.,  
in "Pulsar Timing, General Relativity, and the Internal Structure of Neutron Stars," eds. Z. Arzoumanian, F. van der Hooft, and E. P. J. van den Heuvel (Royal Netherlands Academy of Sciences: Amsterdam), 73 (1999).
  42. "Gamma-Ray Bursts and the Cosmic Star Formation Rate,"  
Krumholz, M., Thorsett, S. E., and Harrison, F. A.,  
*Astrophys. J. Lett.*, **506**, L81-L84 (1998). [*peer reviewed*]
  43. "Measurement of Relativistic Orbital Decay in the PSR B1534+12 Binary System,"  
Stairs, I. H., Arzoumanian, Z., Camilo, F., Lyne, A. G., Nice, D. J., Taylor, J. H., Thorsett, S. E., and Wolszczan, A.,  
*Astrophys. J.*, **505**, 352-357 (1998). [*peer reviewed*]

44. “*Hubble Space Telescope* Imaging of the Optical Transient Associated with GRB 970508,” Pian, E., Fruchter, A. S., Bergeron, L. E., Thorsett, S. E., Frontera, F., Tavani, M., Costa, E., Feroci, M., Halpern, J., Lucas, R. A., Nicastro, L., Palazzi, E., Piro, L., Sparks, W., Castro-Tirado, A. J., Gull, T., Hurley, K., and Pedersen, H., *Astrophys. J. Lett.*, **492**, L103-L106 (1998). [*peer reviewed*]
45. “FLIRT Update: Rapid Radio Observations of GRBs,” Balsano, R. J., Thorsett, S. E., Coles, W. A., Rickett, B. J., Ray, P. S., Barthelmy, S., Butterworth, P., Cline, T., Gehrels, N., in *The 4th Huntsville Symposium on Gamma-Ray Bursts*, eds. C. A. Meegan, R. Preece, and T. Koshut, 585 (1998).
46. “*Hubble Space Telescope* Imaging of the Field of GRB 970508,” Pian, E., Fruchter, A., Bergeron, L. E., Thorsett, S. E., Frontera, F. Tavani, M., Costa, E., Feroci, M., Halpern, J., Lucas, R. A., Nicastro, L., Palazzi, E. Piro, L. Sparks, W., Castro-Tirado, A. J., Gull, T., Hurley, K., Pedersen, H., in *The 4th Huntsville Symposium on Gamma-Ray Bursts*, eds. C. A. Meegan, R. Preece, and T. Koshut, 504 (1998).
47. “*HST*/STIS Observations of the Optical Counterpart to GRB 970228,” Fruchter, A., Pian, E., Thorsett, S. E., Gonzales, R., Sahu, K. C., Mutchler, M., Frontera, F. Galama, T., Groot, P., Hook, R., Kouveliotou, C., Livio, M., Macchetto, D., van Paradijs, J., Palazzi, E., Petro, L., and Tavani, M., in *The 4th Huntsville Symposium on Gamma-Ray Bursts*, eds. C. A. Meegan, R. Preece, and T. Koshut, 509 (1998).
48. “The Gravitational Constant, the Chandrasekhar Limit, and Neutron Star Masses,” Thorsett, S. E., *Phys. Rev. Lett.*, **77**, 1432-1435 (1996). [*peer reviewed*]
49. “A Survey for Millisecond Pulsars,” Ray, P. S., Thorsett, S. E., Jenet, F. A., van Kerkwijk, M. H., Kulkarni, S. R., Prince, T. A., and Sandhu, J. S., *Astrophys. J.*, **470**, 1103-1110 (1996). [*peer reviewed*]
50. “Pulsar Timing Limits on Very Low Frequency Stochastic Gravitational Radiation,” Thorsett, S. E. and Dewey, R. J., *Phys. Rev. D*, **53**, 3468-3471 (1996). [*peer reviewed*]
51. “Determining the Gamma-Ray Burst Distance Scale: Observational Prospects,” Harrison, F. A. and Thorsett, S. E., *Astrophys. J. Lett.*, **460**, L99-L102 (1996). [*peer reviewed*]
52. “Giant Radio Pulses from a Millisecond Pulsar,” Cognard, I., Shrauner, J. A., Taylor, J. H., and Thorsett, S. E., *Astrophys. J. Lett.*, **457**, L81-L84 (1996). [*peer reviewed*]
53. “Mark IV: A Phase Coherent Observing System for Pulsars,” Shrauner, J. A., Dewey, R. J., Krumholz, M., Stairs, I. H., Taylor, H. E., Taylor, J. H., and Thorsett, S. E., in *IAU Colloq. 160: Pulsars: Problems and Progress*, eds. S. Johnston, M. A. Walker, and M. Bailes, ASP Conf. Ser. 105, 23 (1996).

54. “Rotational and Orbital Fluctuations of Eclipsing Binary PSR B1744–24A,”  
Nice, D. J. and Thorsett, S. E.,  
in IAU Colloq. 160: *Pulsars: Problems and Progress*, eds. S. Johnston, M. A. Walker, and M. Bailes, ASP Conf. Ser. 105, 523, (1996).
55. “Orbital Parameters of the PSR B1620–26 Triple System,”  
Arzoumanian, Z., Joshi, K., Rasio, F., and Thorsett, S. E.,  
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56. “Observations of Giant Pulses from PSR B1937+20,”  
Thorsett, S. E., Shrauner, J. A., Cognard, I., and Taylor, J. H.,  
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57. “Pulsar Timing Limits on Very Low Frequency Stochastic Gravitational Radiation,”  
Dewey, R. J. and Thorsett, S. E.,  
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58. “Searching for Prompt GRB Counterparts at 74 MHz,”  
Balsano, R. J., Thorsett, S. E., Coles, W. A., Ray, P. S., Rhodes, J., Rickett, B. J.,  
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59. “Binary Pulsars and Neutron Star Masses,”  
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60. “Terrestrial Implications of Cosmological Gamma-Ray Bursts,”  
Thorsett, S. E.,  
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61. “Much Ado About Nothing: Several Large-Area Surveys for Radio Pulsars from Arecibo,”  
Ray, P. S., Deich, W. T. S., Kulkarni, S. R., Prince, T. A., Thorsett, S. E., Vasisht, G.,  
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  70. “Millisecond Pulsars: The Times They are a-Changing,”  
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#### PUBLISHED MONOGRAPHS

- a. *Radio Pulsars*,  
 M. Bailes, D. J. Nice, and S. E. Thorsett, editors,  
 Astronomical Society of the Pacific Conference Series Volume 302 (2003).
- b. *Gravitational Waves and Experimental Gravity, Proc. XXXIV Rencontre de Moriond*  
 J. Trân Thanh Vân, J. Dumarchez, S. Reynaud, C. Salomon, S. Thorsett, and J. Y. Vinet,  
 editors, World Publ., Hanoi (2000) (*on program committee; no editorial work*).
- c. *Planets around Pulsars*,  
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- iii. “*NuSTAR*: An Explorer for the X-Ray Community,”  
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- vii. “Timing Observations of PSR B1534+12,” Stairs, I. H., Thorsett, S. E., and Taylor, J. H.,  
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- viii. “Do the GRBs Trace the SFR? – Testing Models of the Observed Gamma-Ray Burst  
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- ix. “Late-time *HST* Observations of GRB 990123,”  
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- x. “Possible identification of SN1999E with GRB980910,”  
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- xi. “Multiwavelength Observations of GRBs from *BOLT*,”  
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- xii. “The *Broadband Observatory for the Localization of Transients (BOLT)*,”  
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- xiv. “Proper Motion of High Galactic Latitude Pulsars,”  
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- xvii. “Pulsar Timing at the Very Large Array,”  
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- xviii. “Simultaneous Pulsar Microstructure Observations at Two Frequencies,”  
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- xxi. “Measuring the Coherence of Micropulses,”  
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- xxii. “Polarization and Morphology of Millisecond Pulsars,”  
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#### SERVICE TO UCSC

- 2005–2006 Chair, Vice Chancellor for Research search committee
- 2005– UC Science and Mathematics Initiative Task Force
- 2005–2006 Acting Dean, Physical and Biological Sciences  
(Ex officio: Academic Advisory Committee, Advisory Committee on Facilities, Biomedical Building Committee (chair), Council of Deans, Executive Advisory Committee, UCSC Foundation, CfAO Oversight Committee)
- 2005–2005 Associate Dean, Physical and Biological Sciences
- 2004 Member, UCSC Chancellor Selection Advisory Committee
- 2004 Chair, UCSC-LANL Cooperative Agreement for Research and Education working group
- 2003–2005 Parliamentarian, UCSC Academic Senate
- 2003–2005 Chair, Department of Astronomy and Astrophysics
- 2002–2004 UCSC Representative, University Committee on Research Policy (UCORP)  
Chair, Subcommittee on Research Restrictions
- 2002–2003 Faculty Search Committee, Physics
- 2001–2004 Member, Senate Committee on Research (Chair, 2001–2003)
- 2001–2003 Member *ex officio*, Senate Advisory Committee

- 2001–2003 Member *ex officio*, Academic Planning Committee
- 2001–2003 Admissions Committee, Astronomy
- 2000–2003 Service on two CAP Ad Hoc Committees during period
- 2000–2003 Associate Chair and Graduate Representative, Astronomy
- 2000–2001 Faculty Search and Admissions Committees, Astronomy  
Faculty Search Committee, Physics
- 2000 Redevelopment of Astronomy Web Pages
- 1999–2000 Admissions, Exam, & Colloquium Committees, Astronomy

#### OUTSIDE PROFESSIONAL ACTIVITIES

- 2007 Meeting Organizer, Extreme Solar Systems, Santorini, Greece
- 2004 Meeting Organizer, Binary Radio Pulsars, Aspen Center for Physics
- 2002–2003 Member, VLA/VLBA Target of Opportunity Working Group
- 2002 Meeting Co-Chair, Radio Pulsars, Chania, Crete
- 2002– Member, Expanded Very Large Array Advisory Panel
- 2002– Member, National Radio Astronomy Observatory Users Committee
- 2001 Meeting Organizer, Pulsar Astronomy with *GLAST*, UCSC
- 2000– Member, Science Working Group, *Gamma-ray Large-Area Space Telescope*, NASA
- 2000–2003 Member, Proposal Review Panel, Very Large Array,  
National Radio Astronomy Observatory
- 1999 Member, Program Committee, XVIII Moriond Workshop, Gravitational  
Waves and Experimental Gravity
- 1998–2001 Arecibo (Observatory) Users and Scientific Advisory Committee
- 1998 Meeting Organizer, Physical Applications of Radio Pulsar Timing, Aspen
- 1997 Honors Examiner, Oberlin College Department of Physics
- 1994–1996 Member, Proposal Review Panel, Very Large Array,  
National Radio Astronomy Observatory
- 1992 Meeting Organizer, Planets Around Pulsars, Pasadena

Also occasional and ongoing publication reviews for the *Astrophysical Journal*, *Physical Review*, *Physical Review Letters*, *Nature*, *Monthly Notices of the Royal Astronomical Society*, and grant proposal reviews for various agencies, including NASA panel reviews (ADP, LTSA).

#### RECENT INVITED TALKS

- 2006 Princeton University  
Naval Research Laboratory
- 2005 Stanford Linear Accelerator Center Colloquium  
*GLAST* Users' Committee meeting  
UCSC Astronomy Colloquium
- 2004 University of California, Davis
- 2003 Stanford University  
Carleton College  
University of British Columbia  
University of California, Los Angeles  
University of San Francisco
- 2002 Santa Cruz Astronomy Club
- 2001 Lawrence Livermore National Laboratory, IGPP

2000 University of California, Berkeley  
University of California, Santa Barbara  
Stanford Linear Accelerator Center Users' Group

1999 Brown University  
University of California, Santa Cruz (Physics)  
University of California, Santa Cruz (Astronomy)  
Columbia University  
University of Iowa  
Princeton University (Physics)

1998 Institute for Advanced Study

1997 Yale University  
Swarthmore College

1995 Princeton University (Astronomy)  
Massachusetts Institute of Technology  
Harvard University

## TEACHING

## STUDENTS AWARDED PH.D. DEGREE

2001 Walter Briskin (Princeton Physics Department; first position, NRAO staff)  
 1999 Richard Balsano (Princeton Physics Department; first postdoc LANL)

## PH.D. STUDENTS CURRENTLY SUPERVISED

2000– Scott Seagroves (advanced to candidacy, on leave)  
 2004– Bulent Kiziltan

## INDEPENDENT STUDY STUDENTS AT UCSC

2002 Gina Dunsmire (senior thesis advisor)  
 2001–02 Rob Ellis  
 2001 Yancey Orlando Quinones  
 2000–01 Linda Pittroff

	Enrolled	% Evals Returned	Shared
COURSES TAUGHT 2003–2004			
Winter AY8 The Violent Universe	183	50%	no
COURSES TAUGHT 2002–2003			
Fall AY8 The Violent Universe	148	46%	no
Winter AY117 High Energy Astrophysics	25	84%	no
COURSES TAUGHT 2001–2002			
Fall AY8 The Violent Universe	137	42%	no
Spring AY225 Compact Objects (redeveloped course)	9	67%	no
COURSES TAUGHT 2000–2001			
Fall AY8 The Violent Universe	140	78%	no
Winter AY117 High Energy Astrophysics (new course)	18	89%	no
COURSES TAUGHT 1999–2000			
Winter AY275 Radio Astronomy (redeveloped course)	7	71%	no