

HUMBERTO CAMPINS

Physics Department
University of Central Florida
Orlando, FL 32816
Office Phone: 407 823 0251
Office Fax: 407 823 5112
email: campins@physics.ucf.edu

CITIZENSHIP: United States

EDUCATION

BA, Astronomy, University of Kansas, 1977
MS, Planetary Sciences, University of Arizona, 1982
PhD, Planetary Sciences, University of Arizona, 1982

PROFESSIONAL EXPERIENCE

- a) Provost Research Professor of Physics and Astronomy, University of Central Florida, Orlando, Florida. August 2002- present.
- b) Program Officer, Research Corporation, and Senior Research Scientist, Lunar and Planetary Laboratory, University of Arizona, Tucson, Arizona. June 1998-August 2002.
- c) University of Florida, Department of Astronomy
August 1997 - June 1998, Professor
August 1991 - July 1997, Associate Professor
August 1989 - July 1991, Assistant Professor
- d) Research Scientist, Planetary Science Institute, 1985 - 1989
- e) Research Associate, Astronomy Program, University of Maryland, 1982 -1985.
- f) Consultant, Committee on Peaceful Uses of Outer Space of the General Assembly of the United Nations, 1980 - 1982.

PROFESSIONAL ORGANIZATIONS

International Astronomical Union and COSPAR
American Astronomical Society and Division for Planetary Science

PRIZES and FELLOWSHIPS

Fulbright Senior Award, 2008-2009.
Teaching Award, University of Florida, 1993.
Asteroid 3327 named Campins by the International Astronomical Union in 1987.
SAIC Prize for the Outstanding Physics (Astrophysics) Publication of 1987.
NASA-Ames Research Center Achievement Award, 1987.
Fellowship from the National Research Council of Venezuela (CONICIT), 1977 - 1982.
Scholarship Universite' de Strasbourg (Louis Pasteur Observatory/University of Kansas), 1977.

SELECTED REFEREED PUBLICATIONS OF HUMBERTO CAMPINS (total of 90 peer-reviewed publications)

1. "Low Perihelion Near-Earth Asteroids" by Campins, H., Kelley, M. S.; Fernández, Y.; Licandro, J.; Hargrove, K. (2009) Earth, Moon, and Planets, vol. 105, 159-165

2. "Spitzer observations of spacecraft target 162173 (1999 JU3)" by Campins, H., Emery, J. P.; Kelley, M. S.; Fernández, Y.; Licandro, J.; Delbó, M.; Barucci, A.; Dotto, E. (2009) *Astronomy and Astrophysics*, vol. 503, L17-L20.
3. "Chemical and physical properties of gas jets in comets I. Monte Carlo model of an inner cometary coma" by S.M. Lederer, H. Campins and D.J. Osip (2009) *Icarus*, vol. 199, 477-483.
4. "Chemical and physical properties of gas jets in comets II. Modeling OH, CN and C₂ jets in Comet C/1995 O1 (Hale-Bopp) one month after perihelion" by S.M. Lederer, H. Campins and D.J. Osip (2009) *Icarus*, vol. 199, 484-504.
5. "Spectral properties of asteroids in cometary orbits" by J. Licandro, A. Alvarez-Candal, J. de León, N. Pinilla-Alonso, D. Lazzaro, and H. Campins (2008) *Astron. & Astrophys.* vol. 481, 861-877.
6. "Nuclear Spectra of Comet 28P Neujmin 1" by H. Campins, J. Licandro, N. Pinilla-Alonso, J. Ziffer, J. de León, T. Mothé-Diniz, J. C. Guerra, and C. Hergenrother (2007) *Astronomical J.*, 134, 1626-1633.
7. "Comet Hale Bopp in outburst: Imaging the dynamics of icy particles with HST/NICMOS" by D. W. McCarthy, S. R. Stolovy, H. Campins, S. Larson, N. H. Samarasinha, and S. D. Kern (2007) *Icarus*, vol. 189, 184-195.
8. "The nature of comet-asteroid transition object (3200) Phaethon" (2007) J. Licandro H. Campins, T. Mothe-Diniz, N. Pinilla-Alonso, and J. de Leon (2006) *Astron. & Astrophys.* vol. 461, 751-757.
9. "A Spitzer Study of Comets 2P/Encke, 67P/Churyumov-Gerasimenko, and C/2001 HT50 (LINEAR-NEAT)" (2006) by M. S. Kelley, C. Woodward, D. E. Harker, D. H. Wooden, R. D. Gehrz, H. Campins, et al. *Astrophysical J.*, vol. 651, 1256-1271.
10. "Nuclear Spectra of Comet 162P/Siding Spring (2004 TU12)" by H. Campins, J. Ziffer, J. Licandro, N. Pinilla-Alonso, Y. Fernández, J. de León, T. Mothé-Diniz, and R. P. Binzel (2006) *Astronomical J.*, vol. 132, 1346-1353.
11. "Comet 162P/Siding Spring: A Surprisingly Large Nucleus" by Y. Fernández, H. Campins, et al. (2006) *Astronomical J.* vol. 132, 1354- 1360.
12. "Origin of Water in the Terrestrial Planets" by M. J. Drake and H. Campins (2006) In *Asteroids, Comets and Meteorites*, Ed. D. Lazzaro et al. Cambridge University Press. pp. 381-394.
13. "R- and J-band Photometry of Comets 2P/Encke and 9P/Tempel 1" by C. W. Hergenrother, B. E. A. Mueller, H. Campins, N. H. Samarasinha and D. W. McCarthy, Jr. (2006) *Icarus*, Vol. 181, 156-161.
14. "Near-infrared Spectra of Two Asteroids with Low Tisserand Invariant" by J. Ziffer, H. Campins, J. Licandro, Y. Fernandez, and S. Bus, (2005) *Earth, Moon and Planets*, vol. 97, 203-212.
15. "Deep Impact: Observations from a Worldwide Earth-Based Campaign" by Meech, K. J.; Ageorges, N.; A'Hearn, M. F.; Arpigny, C.; Ates, A.; Aycocock, J.; Bagnulo, S.; Bailey, J.; Barber, R.; Barrera, L.; Barrena, R.; Bauer, J. M.; Belton, M. J. S.; Bensch, F.; Bhattacharya, B.; Biver, N.; Blake, G.; Bockelée-Morvan, D.; Boehnhardt, H.; Bonev, B. P.; Bonev, T.; Buie, M. W.; Burton, M. G.; Butner, H. M.; Cabanac, R.; Campbell, R.; Campins, H. et al. (2005) *Science*, vol. 310, 265-267.
16. "Evaluating Comets as a Source of Earth's Water" H. Campins, T.D. Swindle and D.A. Kring (2004). In *Origins, Evolution and Biodiversity of Microbial Life in the Universe*. Ed. J. Seckbach, pp. 569-591.
17. "Do Comets have Chondrules and CAIs?" (2004) by T. D. Swindle and H. Campins, *Meteoritics and Planetary Sci.* vol. 39, 1733-1740.
18. "Simultaneous visible and near-infrared time resolved observations of the outer solar system object (29981) 1999 TD10" (2003) B.E A. Mueller C. W. Hergenrother, N. H. Samarasinha, H. Campins, and D.W. McCarthy, Jr. (2004). *Icarus*, volume 171, p. 506-515.