

## BIOGRAPHICAL SKETCH

### Donald Kim Walter

Professor of Physics & Academic Program Coordinator for Physics  
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#### (a) Professional Preparation

University of Illinois	Urbana, IL	Astronomy	B.S.	1974
Louisiana State Univ.	Baton Rouge, LA	Physics/Astronomy	M.S.	1976
Rice University	Houston, TX	Space Physics & Astronomy	M.S.	1991
Rice University	Houston, TX	Space Physics & Astronomy	Ph.D.	1993
Rice University	Houston, TX	Astronomy	Postdoc	1993-94

#### (b) Appointments

2005-Present Academic Program Coordinator for Physics, SC State Univ., Orangeburg, SC  
2004-Present Professor of Physics, SC State Univ., Orangeburg, SC  
1998-2004 Associate Professor of Physics, SC State Univ., Orangeburg, SC  
1994-1998 Assistant Professor of Physics, SC State Univ., Orangeburg, SC  
1993-1994 Postdoctoral Research Associate, Rice Univ., Houston, TX  
1986-1993 Graduate Student Teaching & Research Assistant, Rice Univ., Houston, TX  
1980-1986 Planetarium Director, SC State College, Orangeburg, SC  
1979-1980 Instructor of Physics, SC State College, Orangeburg, SC  
1978-1979 Planetarium Director, St. Charles Parish, Luling, LA  
1977-1978 Assistant Professor of Astronomy & Geology, WV Wesleyan College, Buckhannon, WV

#### (c) Products

##### **Publications (Seven Recent)**

- (1) Cash, Jennifer; **Walter, Don**; Red, Wesley and Jones, Gabrielle 2020, “Kepler Observations of Three SRS: Stars—V616 Lyrae, V607 Lyrae, and V621 Lyrae”, *Journal of the American Association of Variable Star Observers*, v 48, n2  
<https://www.aavso.org/apps/jaavso/article/3653/>
- (2) Penn, M.J., Baer, B., **Walter, D.** and 285 other authors 2020, “Acceleration of Coronal Mass Ejection Plasma in the Low Corona as Measured by the Citizen CATE Experiment”, *Pub. Astronomical Society of the Pacific*, 132, Issue 1007, pp. 014201 Bibcode: [2020PASP..132a4201P](https://ui.adsabs.org/doi/10.1088/1538-3873/ab558c) DOI: [10.1088/1538-3873/ab558c](https://ui.adsabs.org/doi/10.1088/1538-3873/ab558c)
- (3) **Walter, Donald** and 10 other authors 2018, “The SC State NSF PAARE Program”, AAS Meeting #231, #242.18 [2018AAS...23124218W](https://ui.adsabs.org/doi/10.1088/1538-3873/ab558c)
- (4) Penn, M.J., Baer, R., Bosh, R., Garrison, D., Gelderman, R., Hare, H., Isberner, F., Jensen, L., Kovac, S., McKay, M., Mitchell, A., Pierce, M., Thompson, P., Ursache, A., Varsik, J., **Walter, D.**, Watson, Z., and Young, D. 2017, “Instrumentation for the Citizen CATE Experiment: Faroe Islands and Indonesia”, *Pub. Astronomical Society of the Pacific*, 129, 971  
[2017PASP..129a5005P](https://ui.adsabs.org/doi/10.1088/1538-3873/129/971/015005) DOI: [10.1088/1538-3873/129/971/015005](https://ui.adsabs.org/doi/10.1088/1538-3873/129/971/015005)
- (5) Hartig, E., Cash, J., Hinkle, K., Lebzelter, T., Mighell, K. and **Walter, D.** 2014, “Kepler and the Long Period Variables”, *Astronomical Journal*, 148, 123 [2014AJ...148..123H](https://ui.adsabs.org/doi/10.1088/0004-6256/148/6/123)  
DOI: [10.1088/0004-6256/148/6/123](https://ui.adsabs.org/doi/10.1088/0004-6256/148/6/123)

- (6) Stogler, L.-G., and 9 other authors 2014, “The RCT 1.3-meter Robotic Telescope: Broad-band Color Transformation and Extinction Calibration”, *Astronomical Journal*, 147, 49  
[2014AJ..147..49](#) DOI: [10.1088/0004-6256/147/3/49](#)
- (7) Howell, S., Rector, T. and **Walter, D.** 2013, “Optical Spectroscopy at Deep Light Minimum of R Coronae Borealis”, *Pub. Astronomical Society of the Pacific*, 125, 879  
[2013PASP..125..879H](#) DOI: [10.1086/672163](#)

#### **Other Significant Publications (Seven)**

- (1) McKay, Myles and 18 other authors 2017, “Update on the Citizen CATE Experiment: Indonesia to 2017”, AAS Meeting #229, #140.02 [2017AAS...22914002M](#)
- (2) **Walter, D.K.**, Howell, S.B. & Cash, J.L 2012, “Spectral Variations of RV Tauri and Semiregular Variables Observed with Kepler”, AAS Meeting #219, #348.03 [2012AAS...21934803W](#)
- (3) **Walter, D.K.** 2010, “Diversity in Astrobiology: Surviving Financial, Institutional and Technical Extremes”, NASA Astrobiology Science Conference 2010: Evolution and Life: Surviving Catastrophes and Extremes on Earth and Beyond; LPI Contribution No. 1538, p.5486  
[2010LPICo1538.5486W](#)
- (4) **Walter, Donald** 2009, “A Partnership in Observational and Computational Astronomy”, AAS Committee on the Status of Minorities in Astronomy, *Spectrum*, [January 2009, p1](#)
- (5) **Walter, D.K.**, Austin, S.A., Johnson, L.P., Morris, P.A. and Salgado, C., 2007, “A Decade of Lessons Learned”, *Journal of Geoscience Education*, v. 55, n.6, December, 2007 pp. 493-499
- (6) Blagrove, K. P. M.; Martin, P. G.; Rubin, R. H.; Dufour, R. J.; Baldwin, J. A.; Hester, J. J.; **Walter, D. K.** 2007, “Deviations from He I Case B Recombination Theory and Extinction Corrections in the Orion Nebula”, *Astrophysical Journal*, 655, 299-315 [2007ApJ...655..299B](#)
- (7) **Walter, D.K.**, Carini, M., Davis, D., Everett, M., Gelderman, R., Guinan, E., Howell, S., Mattox, J.R. and McGruder, C.H. III, 2004, “Narrow-band Imagery with the Robotically Controlled Telescope”, *Astron. Nachrichten*, v 325, issue 6-8, 656 [2004AN...325..656W](#)

#### **(d) Synergistic Activities**

##### **1. Professional Recognition (Recent)**

- Excellence in Grantsmanship Award, SCSU, August 2016
- Inaugural speaker - CSMET Distinguished Research Showcase for Faculty/Students, April 12, 2016
- University Professor of the Year, SCSU 2013
- College of Science Mathematics Engineering and Technology, Professor of the Year 2013
- Deans Award for Excellence in Research and Grantsmanship, Aug 2012

**2. Professional Membership** American Astronomical Society, American Physical Society, Astronomical Society of the Pacific, National Society of Black Physicists

##### **3. Research and Other Professional Activities (Recent)**

- **Proposal Review Panelist** NASA, NSF 2010-2016 & 2019-2022

- **Boards:** (1) Chair of the [Robotically Controlled Telescope Consortium](#); (2) Member of the Advisory Board, [National Astronomy Consortium](#), 2014-Present, NRAO+AUI, diversity in astronomy
- **Co-PI/State Coordinator, AURA/NASA Award** “Geographically distributed citizen scientist training for the 2017 Citizen CATE Experiment”, Science & EPO of total solar eclipses in Indonesia (2016) and U.S. (2017); CATE State Coordinator for South Carolina for August 2017 solar eclipse
- **NASA Astrobiology Institute MIRS Fellow** 2007
- **NASA Summer Faculty Fellow** 2004