

BIOGRAPHICAL SKETCH

Donald Kim Walter

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a. Profession Preparation

University of Illinois	Astronomy	B.S.	1974
Louisiana State University	Physics/Astronomy	M.S.	1976
Rice University	Space Physics & Astronomy	M.S.	1991
Rice University	Space Physics & Astronomy	Ph.D.	1993
Rice University	Interstellar Medium	PostDoc	1993-1994
NASA Summer Faculty Fellow			2004
NASA Astrobiology Institute MIRS Fellow			2007

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, WVWC, Buckhannon, WV

c. Products

Publications (Five Most Recent and Relevant)

- (1) Walter, D.K. and 7 other authors, "TIP: Piloting a Physics Partnership", [NSF HBCU-UP/CREST PI/PD Meeting](#), February 24-25, 2016, Washington, D.C., [Poster 56, Page A25](#)
- (2) Walter, D.K. and 10 other authors, "The NSF PAARE Projects at SC State", AAS Meeting #227, #249.04 [2016AAS...22724904W](#)
- (3) 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](#)
- (4) 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](#)
- (5) 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](#)

Other Significant Publications Relevant to this Proposed Project (Five Most Recent)

- (1) 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](#)

- (2) 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 [article](#)
- (3) 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](#)
- (4) Walter, D.K., Carini, M., Davis, D., Everett, M., Gelderman, R., Guinana, 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](#)
- (5) Hayden, L., D. Walter and W. Porter, 2004; “Identifying an Important Source of Talented Students from Underrepresented Communities Through Effective Partnerships with Minority Serving Institutions”; *Eos Trans. AGU*, 85(47), Fall Meet. Suppl., ED44A-05

d. Synergistic Activities

- (1) Co-PI, AURA/NASA Award “Geographically distributed citizen scientist training for the 2017 Citizen CATE Experiment”, science & EPO of solar eclipses in Indonesia (2016) and U.S. (2017)
- (2) PI, NSF HBCU-UP – TIP Award – 2013-2016 – South Carolina State University – physics diversity & enhancement
- (3) PI & Researcher, NSF PAARE Project – 2008-2017, multi-institutional, diversity in astronomy
- (4) Proposal Review Panelist NASA, NSF 2010-2016
- (5) University Professor of the Year – 2013 – South Carolina State University
- (6) Advisory Board, [National Astronomy Consortium](#), 2014-Present, NRAO+AUI, diversity in astronomy

e. Other Affiliations

Organizations: American Astronomical Society, American Geophysical Union, Astronomical Society of the Pacific, National Society of Black Physicists, AAS Division of Planetary Sciences,

Collaborators (past 48 months): Wagih Abdel-Kader (SCSU) James Anderson (SCSU) Bob Baer (SIU) Kara Beharry (OCtech) Benita Bell (Morgan St) Sean Brittain (CU) Mike Carini (WKU) Jennifer Cash (SCSU) Ruben Ceballos (U Minn) Angel Acosta-Colon (UPR-A) Don Davis (PSI) Jean-Marie Dimandja (Spelman) Shadia El-Teaty (SCSU) Todd Gary (Self) Richard Gelderman (WKU) Ed Guinan (VU) Dieter Hartmann (CU) Erich Hartig (U. Vienna) Ken Hinkle (NOAO) Steve Howell (NASA) Steve Katzberg (SCSU) Melissa Kirven-Brooks (Logyx) Jeremy King (CU) Thomas Lebzelter (U. Vienna) Mark Leising (CU) Charles McGruder III (WKU) Erik Melchiorre (Cal St. - SB) Abel Mendez (UPR-A) Kenneth Mighell (NOAO) Prabhakar Misra (Howard) Rakesh Mogul (Cal St. Poly – Pom) Guillermo Nery (UPR-A) Joseph Onyilagha (U Ark Pine Bluff) Anne Osano (Bowie St) James Payne (OCtech) Linda Payne (OCtech) Matt Penn (NSO) Mike Peirce (U. Wyoming) Chris Ruf (UM) Neil Sheeley (NRL) Sachim Shetty (Tenn St U) Patrick Shopbell (Cal Tech) Daniel Smith (SCSU) Louis Strolger (STScI) Nikunja Swain (SCSU) Ed Tedesco (PSI) Hirohito Rorres (UPR-A), Elianna V. Andrade (UPR-A) James Wachira (Morgan St U)

Graduate Advisor & Postdoctoral Sponsor: Reginald Dufour (Rice U, retired)

Donald Walter Served as Thesis Advisor or Postdoctoral Sponsor to: No One