

CURRICULUM VITAE:  
**KEIVAN GUADALUPE STASSUN**

Associate Professor of Astronomy, Vanderbilt University  
Adjunct Professor of Physics, Fisk University

**PROFESSIONAL PREPARATION**

UNDERGRADUATE, GRADUATE, AND POSTDOCTORAL

University of California at Berkeley

Degree: A.B. in Physics/Astronomy (double) with Honors, 1994 (G. Basri, advisor)

University of Wisconsin—Madison

Degree: Ph.D. in Astronomy, 2000

Thesis: *The Rotation, Accretion, and Circumstellar Disks in Low-Mass Pre-Main-Sequence Stars* (R. Mathieu, advisor)

University of Wisconsin—Madison

Postdoctoral Teaching Fellow and Assistant Director, NSF Graduate K-12 Teaching Fellows Program, 2000-01

Duties: *Development of program; Teaching of graduate course in pedagogy and science education research*

University of Wisconsin—Madison

Hubble Postdoctoral Research Fellow, Astronomy, 2001-03

Area: *Observational Studies of Low-Mass Star Formation*

RESEARCH FELLOWSHIPS, AWARDS AND HONORS

Caroline Herschel Distinguished Visitor, STScI, 2007-08

Research Corporation Cottrell Scholarship, Vanderbilt University—2006-present

NSF CAREER Award, Vanderbilt University—2004-present

Hubble Postdoctoral Fellowship, UW Madison—2001-03

NSF Astronomy and Astrophysics Postdoctoral Fellowship (declined)—2001

Ford Foundation Minority Postdoctoral Fellowship (declined)—2001

NSF Postdoctoral Teaching Fellowship, UW Madison—2000-2001

Minority Scholar-In-Residence, UW Madison—2000-2001

Ford Foundation Minority Dissertation Fellowship, UW Madison—1999-2000

University of Wisconsin Graduate Fellowship, UW Madison—1998-1999

NSF Graduate Research Fellowship, UW Madison—1995-1998

Ford Foundation Minority Predoctoral Fellowship (declined)—1995

Valedictorian, Physics/Astronomy, UC Berkeley—1994

Dorothy K. Roberts Prize for Outstanding Achievement in Astronomy, UC Berkeley—1994

Chancellor's Scholarship, UC Berkeley—1990-1994

**LEADERSHIP AND SERVICE**

Member, Astronomy and Astrophysics Advisory Committee—2006-present

Member, NOAO Visiting Committee—2008-present

Member, NSF AURA Review Board—2006

Member, NSF AST Committee of Visitors—2005

Member, NSF IGERT Advisory Board on Broadening Participation—2005-present

Co-Director, Fisk Astronomy and Space Science Training (FASST) program—2004-present

Co-Director, Fisk-Vanderbilt Masters-to-PhD Bridge Program—2003-present

Chair, American Astronomical Society Committee on the Status of Minorities in Astronomy—2003-08

Director, Scopes for Schools astronomy outreach program—1998-present

National Society of Black Physicists Annual Conference, Organizing Committee—2004-present

Content Adviser for NASA PlanetQuest Español website, 2005

NASA Chicago 2004 Conference on Diversity, Organizing Committee—2004

Faculty Mentor, NSF Astronomy & Astrophysics Postdoctoral Fellows Symposium—2004-05

Organizing Committee, Conference of Ford Fellows—2007-08

Society for the Advancement of Chicanos and Native Americans in Science, Session Organizer—2003-06

Editor, American Astronomical Society *Spectrum* Newsletter on Diversity in the Sciences—2002-08

Content Adviser for Astronomical Society of the Pacific's "El Universo a Sus Pies" Project—2001

Proposal Reviewer, NSF (AST division, REC division, DGE division) and NASA (Spitzer, HST)

Manuscript referee for *Astrophysical Journal*, *Astronomical Journal*, *Astronomy & Astrophysics*, *Nature*

## STUDENTS ADVISED

Postdoctoral advisor, Joshua Pepper (Vanderbilt University)—2007-present  
Postdoctoral advisor, Erika Grundstrom (Vanderbilt University)—2007-present  
Ph.D. advisor, Julia Bodnarik (Vanderbilt University)—2007-present  
Ph.D. co-advisor, Deatrick Foster (Vanderbilt University)—2007-present  
M.A. advisor, Trey Mack (Fisk University)—2007-present  
Advisor, Summer REU, Vanderbilt University, Nathalia Alzate (Florida Tech)—2007  
Advisor, Summer REU, Vanderbilt University, India Anderson (Southern University)—2007  
Advisor, Summer REU, Vanderbilt University, Ximena Fernandez (Vassar College)—2007  
Advisor, Summer REU, Vanderbilt University, Brittany Dames (University of Hawaii)—2007  
Ph.D. advisor, Thompson LeBlanc (Vanderbilt University)—2006-present  
Ph.D. advisor, Saurav Dhital (Vanderbilt University)—2006-present  
Advisor, Summer REU, Vanderbilt University, Trey Mack (University of North Carolina)—2006  
B.A. advisor, Calen Henderson (Vanderbilt University)—2006-present  
M.A. co-advisor, Melissa Harrison (Fisk University)—2005-present  
M.A. advisor, Jedidah Isler (Fisk University)—2005-present  
M.A. advisor, Julia Bodnarik (Fisk University)—2005-present  
Ph.D. advisor, Phillip Cargile (Vanderbilt University)—2005-present  
Ph.D. advisor, Alicia Aarnio (Vanderbilt University)—2005-present  
M.A. advisor, Luisa Zambrano (Fisk University)—2005-06  
B.A. advisor, Felipe Colazo (Fisk University)—2005-08  
B.A. advisor, David Hill (Fisk University)—2005-08  
B.A. advisor, Matthew Richardson (Fisk University)—2005-08  
Ph.D. advisor, Yilen Gomez (Vanderbilt University)—2004-present  
M.A. advisor, Tomas Yan (Fisk University)—2004-08  
M.A. advisor, Thompson LeBlanc (Fisk University)—2004-06  
M.A. co-advisor, Helen Jackson (Fisk University)—2004-06  
Postdoctoral advisor, David James (Vanderbilt University)—2004-08  
B.A. co-advisor, Matthew Miller (Swarthmore College)—2003-04

## GRANTS

NSF PAARE, 2008, “Graduate Opportunities at Fisk in Astronomy and Astrophysics Research (PI)—\$240k  
NASA Spitzer GO, 2007, “Spectral Energy Distribution of the First Brown-Dwarf Eclipsing Binary” (PI)—\$15k  
NSF REU, 2007, “Research Experiences for Undergraduates in Physics at Vanderbilt University” (co-PI)—\$300k  
Research Corporation Cottrell Scholarship, 2006 (PI)—\$100k  
NSF AST, 2006, “A Fundamental Calibration of Pre-Main-Sequence Evolution Models for Brown Dwarfs” (PI)—\$125k  
NASA Spitzer AR, 2005, “The Angular Momentum Evolution of Young, Low-Mass Stars” (PI)—\$67k  
NSF CAREER, 2004, “Order-of-Magnitude Problems in Star Formation and Minority Representation” (PI)—\$800k  
NASA HST Treasury, 2004, “The HST Survey of the Orion Nebula Cluster” (co-I)—\$848k  
NASA MUCERPI, 2003, “Toward a Comprehensive Space Science Program at Fisk University” (co-PI)—\$825k  
NASA Hubble Postdoctoral Fellowship, 2001 (PI)—\$216k  
NSF AST, 2001, “Observational Tests of Pre-Main-Sequence Stellar Evolution Theory” (co-I)—\$415k  
Chandra AR, 2001, “The Rotation-Activity Relationship Among Young Stars in Orion” (co-I)—\$60k  
NSF GK-12, 2000, “K-12 and Graduate Student Professional Development Partnership Program” (co-author)—\$1.1M

## INVITED PRESENTATIONS—RESEARCH

Space Telescope Science Institute, 2008, “Testing Star-Formation Models: Empirical Case Studies”  
University of Michigan, 2007, “A Synthesis of Fundamental Issues in the Formation of Stars and Brown Dwarfs”  
Yale University, 2006, “A Synthesis of Fundamental Issues in the Formation of Stars and Brown Dwarfs”  
Columbia University, 2006, “A Synthesis of Fundamental Issues in the Formation of Stars and Brown Dwarfs”  
University of Virginia, 2006, “Unsolved Problems in the Formation of Stars and Brown Dwarfs”  
Protostars & Planets V, Hawaii, 2005, “Dynamical Mass Measurements of Pre-Main-Sequence Stars”  
AAS Topical Session, San Diego, 2005, “Using Small Telescopes for Critical Tests of Star Formation Theory”  
University of Texas at Austin, 2004, “Unsolved Problems in Star Formation”  
LSST Science Workshop, Seattle, 2004, “Testing Star Formation Theory and Setting the Clock for Planet Formation”  
Gemini Science Workshop, Vancouver, 2004, “Testing Star Formation Theory with Gemini”  
SUNY, Stony Brook, 2004, “Accurate, Empirical Calibration of Stellar Evolution Models”  
AAS Topical Session, Nashville, 2003, “Calibrating Our Chronometer of Star Formation”

University of Washington, 2003, “Testing Star-Formation Theory: Masses and Angular Momenta of Young Stars”  
Carnegie Institution of Washington, 2003, “Measuring the Masses and Angular Momenta of Newly Born Stars”  
University of Minnesota, 2003, “Testing Pre-Main-Sequence Stellar Evolution Theory”  
San Francisco State University, 2003, “Understanding the Physics of How Stars are Made”  
AAS Topical Session, Albuquerque, 2002, “Future Research Directions in the Angular Momenta of Young Stars”  
McDonald Observatory, 2002, “Observational Tests of Star Formation Theory”  
Laboratoire d’Astrophysique de Grenoble, France, 2002, “Observational Tests of Star Formation Theory”  
Ohio State University, 2001, “The Angular Momentum Evolution of Pre-Main-Sequence Stars”  
UC Berkeley, 2000, “New Insights on the Rotational Evolution of Pre-Main-Sequence Stars”  
Utrecht University, The Netherlands, 2000, “The Role of Circumstellar Disks in the Rotation of Young Stars”  
ESO Conference, Palermo, Italy, 1999, “Examining the Regulation of Pre-Main-Sequence Rotation by Disks”

#### **INVITED PRESENTATIONS—EDUCATION, OUTREACH, DIVERSITY**

Boston University, 2008, “Building Bridges to Diversity in Physics & Astronomy”  
Yale University, 2007, “Building Bridges to Diversity in Physics and Astronomy”  
University of Michigan ADVANCE Project, 2007, “Building Bridges to Diversity in STEM Disciplines”  
Columbia University, 2006, “Building Bridges to Diversity in Physics and Astronomy”  
University of Texas at Austin, 2004, “Enhancing Diversity in the Physical Sciences”  
NSF IGERT PI Meeting, 2004, “Strategies for Improving Minority Graduate Enrollment and Retention”  
Women in Astronomy II Meeting, 2003, “Enhancing Diversity in Astronomy”  
American Association of Physics Teachers, 2003, “The Search for Extrasolar Planets”  
University of Washington, 2003, “Strategies for Enhancing Diversity in Astronomy”  
University of Minnesota, 2003, “Preparing Graduate Students as Future College Science Teachers”  
AAS Special Session, 2003, “The Role of Minority Serving Institutions and REU Programs for Enhancing Diversity”  
University of Wisconsin—Madison, 2002, “Graduate Student Professional Development in Research and Teaching”  
Ohio State University, 2001, “Teaching and the Professional Development of Graduate Students”  
American Astronomical Society, Pasadena, 2001, “Research as a Model for the Scholarship of Teaching”  
American Astronomical Society, Atlanta, 2000, “Scopes for Schools: Astronomy Outreach Program for Minorities”