

Dr. Gerard T. van Belle
Curriculum Vitae

Lowell Observatory
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Experience:

Lowell Observatory, Flagstaff, Arizona. Astronomer (2011-present).

European Southern Observatory, Garching bei München, Germany. Instrument Scientist for PRIMA (2007-2011) and MATISSE (2011).

Michelson Science Center, California Institute of Technology, Pasadena, California. Science Community Development Lead, 2002-2007.

The Jet Propulsion Laboratory, Pasadena, California. Senior Optical Engineer, Interferometry Technology Group, 1996-2002.

Education:

University of Wyoming, Laramie, Wyoming. Ph.D. in Physics 1996. Advisor: H. Melvin Dyck. Dissertation: [Angular Size Measurements of Highly Evolved Stars](#).

The Johns Hopkins University, Baltimore, Maryland. M.A. in Physics, 1993. Advisor: Paul D. Feldman. Thesis: [Analysis of CO₂⁺ Features in Comet P/Halley Derived from Ultraviolet Spectrophotometry by ASTRON](#).

Research Teams:

Lowell Principal Investigator for the Navy Precision Optical Interferometer (NPOI), 2012-present

ESO VLTI PRIMA Instrument Group, ESO, 2007-2011

GSU CHARA Array MIRC Commissioning Team, 2007, and "Classic" Commissioning Team, 2005

Spitzer Precision MIPS Photometry Team, 2006-2008

Keck Interferometer Design & Commissioning Team, 1996-2002

Palomar Testbed Interferometer Collaboration 1997-present

Johns Hopkins Sounding Rocket Group, 1992-3

Awards:

JPL Edward Stone Award for Outstanding Research Publication, for Altair oblateness article (2001 ApJ 559 1155), March 2002

JPL Award for Excellence, as a member of the Keck Interferometer Development Team, for first fringes, May 2001

Outstanding Graduate Research Award, Department of Physics & Astronomy, University of Wyoming, May 1996

Graduated with Honors in Physics-Astronomy, Whitman College, May 1990

Selected Recent Community Service:

SOC Chair, Cool Stars 18, Flagstaff, 2014

SOC, Cool Stars 17, Barcelona, 2012

IAU Commission 54 ("Optical and Near-Infrared Interferometry") President, 2012-2015, *Vice President*, 2009-2012, *Secretary* 2006-2009

SOC Chair, "Science with Optical Interferometry", Socorro, NM, March 2011

SOC, "Science Cases for Optical and Infrared Interferometry", JENAM Lisbon, Portugal, September 2010

Board Secretary, VLTI 2nd Generation Fringe Tracker Design Study Reviews, June 2010

Member (ESO representative), Blue Dots Team, 2008-2010

Director, 2003, 2004 Michelson Summer Schools

Acting Chairman (non-voting), NASA Keck Time Allocation Committee, 2004A and 2004B semesters

Selected Refereed Journal Articles (as of 13 Aug 2013; 60 published articles since 1996 with 17 as first author, h-index of 26 with over 2,100 citations):

1. "The PTI Carbon Star Angular Size Survey: Effective Temperatures and Non-Sphericity", van Belle, G.T., 2013, ApJ (accepted for publication)
2. "Interferometric observations of rapidly rotating stars", van Belle, G.T., 2012, A&ARv, 20, 51
3. "The GJ 436 System: Directly Determined Astrophysical Parameters of an M Dwarf and Implications for the Transiting Hot Neptune", von Braun, K.; Boyajian, T.S.; Kane, S.R.; Hebb, L.; van Belle, G.T., et al., 2012, ApJ, 753, 171
4. "Kepler Observations of Three Pre-launch Exoplanet Candidates: Discovery of Two Eclipsing Binaries and a New Exoplanet", Howell, S.B.; Rowe, J.F.; Sherry, W.; von Braun, K.; Ciardi, D.R.; Bryson, S.T.; Feldmeier, J.J.; Horch, E.; van Belle, G.T., 2010, ApJ, 725, 1633
5. "Closure Phase Signatures of Planet Transit Events", van Belle, G.T., 2008, PASP, 120, 617

Personal:

Citizenship: U.S.A.

Languages: English (fluent), German (basic)