Name: Dr. Charles ("Chick") E. Woodward
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Expertise and Scientific Interests: Woodward is an international expert in XUVOIR ground, and space-based observational astrophysics, instrumentation development, and telescope construction, management, and operations. He also has significant experience in national space policy. His primary research is on the physical properties of astrophysical grains in interstellar, circumstellar, and solar system environments, the physics of nova explosions and their chemical contributions to the interstellar medium, evolved stellar population demographics, and the IR activity of comet nuclei, small solar system bodies, and exoplanets. He played a significant role in the programmatic development of the NASA's *Spitzer* legacy sciences opportunities, SOFIA and *JWST* small bodies (comet) science initiatives, and has participated in mentoring programs to enhance diversity in the field of astrophysics. At the U. Minnesota, he teaches a wide variety of introductory and freshman courses in astronomy and astrophysics.

Curriculum Vitae: A.B. (Major Physics), Dartmouth College, 1980; M.A. (Physics), U. Rochester, 1982; Ph.D. (Physics & Astronomy), U. Rochester, 1987; Research Assoc., U. Wyoming 1987-1990, Staff Scientist, Mission Research Corp., 1990-1991, Ford Foundation Minority Fellow, 1990-1991; Smithsonian Faculty Fellow, 1991-1992; Assist. Prof. 1991-1995, U. Wyoming; Assoc. Prof. 1995-2000, U. Wyoming; Director, Wyoming IR/Red Buttes Observatories, U. Wyoming, 1996-1999; NSF Young Investigator, 1993-1994, NSF Presidential Faculty Fellow, 1994-1999; Assoc. Prof. Physics and Astronomy, U. Minnesota, 2000-2004, Full Prof. Physics and Astronomy, 2005- U. Minnesota; LBT/SO Program Coordinator, 2006-, U. Minnesota;

Professional Service: Member, NAS/NRC Cmte. on Astron. & Astrophys. (CAA), 2002-2005; US Board Member, Gemini Observatory Board of Directors, 2002-2007; Chair, International Gemini Observatory Board of Directors, 2007-2010; Member, NAS/NRC NASA Astrophys. Performance Assessment Cmte., 2006-2007; Member, NAS/NRC Space Studies Board, 2007-2011; Member, NSF Cmte. of Visitors, 2005/2011; Councilor, American Astron. Soc., 2008-2011; Member, OIR Panel Ast2010 Decadal Cmte., 2008-2010; NSF Member, Astron. Astrophys. Advisory Cmte. (AAAC, FACA Cmte.), 2009-2012; Member, NASA Discovery Planetary Mission Panel 2011-2012; Member, NAS/NRC Cmte. on Decadale Surveys 2013-2015; Reviewer, NAS/NRC 2015; Vice-Chair, Large Binocular Telescope Corp. Board of Directors 2011-; Co-Lead, Comet Sci. Wrk. Grp., JWST Community Taskforce, 2013-2017; Vice-President, American Astron. Soc. 2015-2018; Chair NASA SOFIA Users Cmte, 2018-; Member, NASA HQ Astrophysics Advisory Cmte. (FACA Cmte), 2018-

Select Recent Publications (From A List of Over 190)

2018 J.M. Stone, **C.E. Woodward**, and 35 colleagues. *"The LEECH Exoplanet Imaging Survey: Limits on Planet Occurrence Rates under Conservative Assumptions."* AJ 165, 286 doi: 10.3847/1538-3881/aaec00

2018 S.P.S. Eyers, **C.E. Woodward**, and 8 colleagues. *"ALMA reveals the aftermath of a white dwarf-brown dwarf merger in CK Vulpeculae."* MNRAS 481, 4931 doi: 10.1093/mnras/sty2554

2018 S. Protopappa, **C.E. Woodward**, and 6 colleagues. *"Icy Grains from the Nucleus of Comet C/2013 US10 (Catalina)."* ApJL 862, 16 doi: 10.3847/2041-8213/aa33b