

DEBRA MELOY ELMEGREEN

Professor of Astronomy on the Maria Mitchell Chair
Dept. of Physics and Astronomy, Vassar College, Poughkeepsie, NY 12604 USA
<https://www.vassar.edu/faculty/elmegreen>

- **Education**
 - Harvard University, Astronomy, Ph.D. 1979, A.M. 1977 (Zonta Amelia Earhart Fellowship)
 - U. of California at Santa Cruz, Astronomy and Astrophysics, 1976
 - Princeton University, Astrophysics, A.B. cum laude, 1975 (Westinghouse Science Scholarship)
- **Employment**
 - Vassar College faculty since 1985
 - IBM Watson Research Center visiting staff member, Jan. 1982 - Dec. 1988
 - Carnegie Postdoctoral Fellow, The Carnegie Observatories, 1979-81
- **Selected Fellowships, Honors, Awards**
 - Fellow of the American Academy of Arts and Sciences, 2019
 - Legacy Fellow of the American Astronomical Society, 2020
 - American Astronomical Society George van Biesbroeck Prize for service, 2018
 - National Associate of the National Research Council, National Academy of Sciences, 2016
 - NASA Hubble Space Telescope 25th Anniversary Commendation for Science Contributions, 2015
 - Fellow of the American Association for the Advancement of Science, 2011
- **Selected Grants**
 - STScI/NASA Hubble Space Telescope grants, 1996-present
 - Spitzer Infrared Telescope/NASA grants, 2004-11
 - Keck Northeast Astronomy Consortium grant, National Science Foundation REU, 2004-21
 - National Science Foundation VPW, RUI, and ILI grants 1986-99
- **Selected Professional Service**
 - President, International Astronomical Union, 2021-present, President-Elect 2018-21; VP 2015-18
 - President, American Astronomical Society, 2010-12; Councilor, 1998-02
 - Chair of the Board of Directors, Association of Universities for Research in Astronomy, 2013-21
 - Chair of the Committee to Optimize the US Optical and Infrared System in the Era of the Large Synoptic Survey Telescope, The National Academies, 2014-15
 - Chair, Astronomy Section, American Association for the Advancement of Science, 2015-18
 - American Association for the Advancement of Science, Scientific Program Committee, 2012-16
 - Board on Physics & Astronomy, National Research Council, 2010-14; Vice Chair 2012-14
 - Astronomy & Astrophysics Advisory Committee (NASA, NSF and DOE), 2010-13
 - Chair, Hubble Space Telescope Allocation Committee, Cycle 21, 2012-13
 - U.S. National Academies Decadal Survey Committee of Astronomy and Astrophysics, 2008-10
- **Research** 13,400 citations; h-index 62, 172 peer-reviewed papers, 350 incl. conference articles
 - Interests:** OIR and radio observations of structure and star formation in nearby and high z galaxies
 - Selected recent publications:**
 - Elmegreen, D. & Elmegreen, B. 2017, Little Blue Dots in the Hubble Space Telescope Frontier Fields: Precursors to Globular Clusters?," *Astrophysical Journal Letters*, 851, L44
 - Elmegreen, D., Elmegreen, B., Kaufman, M., et al. 2017, "ALMA CO Clouds and Young Star Complexes in the Interacting Galaxies IC 2163 and NGC 2207," *Astrophysical Journal*, 841, 43
 - Elmegreen, D., Elmegreen, B., Sanchez Almeida, J., et al., 2016, "Hubble Space Telescope Observations of Accretion-Induced Star Formation in the Tadpole Galaxy Kiso 5639," *Astrophysical Journal*, 825, 145
 - Books and Major Reports:**
 - Elmegreen, D. et al. 2015, *Optimizing the U.S. Ground-Based Optical and Infrared Astronomy System*, National Academies Press (<http://www.nap.edu/catalog/21722/optimizing-the-us-ground-based-optical-and-infrared-astronomy-system>)
 - Blandford, R. et al., 2010, *New Worlds, New Horizons in Astronomy and Astrophysics*, Decadal Survey, National Academies Press (Wash., DC) (ISBN-10: 0-309-15802-8) (<http://www.nap.edu/catalog/12951/new-worlds-new-horizons-in-astronomy-and-astrophysics>)
 - Elmegreen, D.M. 1998, *Galaxies and Galactic Structure* (undergraduate textbook), Prentice Hall, (ISBN 0-13-779232-8)