

Curriculum Vitae: Alyssa A. Goodman

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Origin July 1, 1962, New York, New York

EDUCATION

1984 Sc.B. Sc.B. Massachusetts Institute of Technology, Physics
Thesis: *Grain Alignment in Molecular Clouds* (Advisor: C. Alcock)
1986 A.M. Harvard University, Physics
1989 Ph.D. Harvard University, Physics
Thesis: *Interstellar Magnetic Fields: An Observational Perspective* (Advisor: P. Myers)

ACADEMIC EXPERIENCE

2015– Robert Wheeler Willson Professor of Applied Astronomy
1999–2015 Professor, Harvard University Astronomy Department
1995– Research Associate, Smithsonian Astrophysical Observatory
2009–2010 Scholar-in-Residence, WGBH Boston (consultant role)
2008–2009 Scholar-in-Residence, WGBH Boston (sabbatical)
2005–2008 Founding Director, Harvard Initiative in Innovative Computing
2002–2010 Principal Investigator, The COMPLETE Survey of Star-Forming Regions
2001–2002 Visiting Professor, Yale University Astronomy Department (sabbatical)
1996–1999 Associate Professor, Harvard University Astronomy Department
1995–1997 Head Tutor, Harvard University Astronomy Department
1992–1996 Assistant Professor, Harvard University Astronomy Department
1989–1992 Post-doctoral Fellow, University of California, Berkeley
1984–1989 Research Assistant, Harvard-Smithsonian Center for Astrophysics
1983 Summer Fellow, NASA-Goddard Institute for Space Studies

HONORS, AWARDS AND ELECTED POSITIONS

2015	Scientist of the Year, Harvard Foundation
2014	Pappalardo Lecturer, Massachusetts Institute of Technology
2014	Benjamin Dean Lecturer, California Academy of Sciences
2013	Bishop Lecturer, Columbia University
2009	Fellow, American Association for the Advancement of Science (AAAS)
2009	Collins Lecturer, Massachusetts General Hospital
2008	Inaugural “Scholar-in-Residence” at WGBH, Boston
2008–	Microsoft Academic Partner
2008	Apple Science Innovator Award
2008	Chair, Astronomy Section of the AAAS
2006	NCSA Distinguished Lecturer, National Center for Supercomputer Applications
2005	Deans’ Distinguished Lecturer, Harvard School of Public Health
2004	Sturm Lecturer, Wesleyan University
1998	Bok Prize, Harvard University
1997	Newton Lacy Pierce Prize, American Astronomical Society
1994–2000	National Science Foundation Young Investigator
1994	Pedagogical Innovation Award, Harvard University
1993–1995	Alfred P. Sloan Fellow
1989–1991	President’s Fellowship, University of California, Berkeley
1990	First Prize Paper, NATO ASI on Star Formation
1986–1989	Amelia Earhart Fellowships from Zonta International
1985	Francis Lee Freidman Award in Physics, Harvard University
1983	Sigma Pi Sigma, MIT

SOCIETY MEMBERSHIPS

American Association for the Advancement of Science; American Association of University Professors; American Astronomical Society; International Astronomical Union; Association for Computing Machinery; IEEE; URSI Commission J (Radio Astronomy)

ADVISORY & REVIEW COMMITTEES

NASA-Infrared Space Observatory Key Projects Review (1992); Scientific Working Group for NRAO Green Bank Telescope (1992–99); Arecibo Users and Scientific Advisory Committee (1993–96); NSF Site Review for Center for Particle Astrophysics (1994); NASA Astrophysics Data Program Review (1995); Smithsonian Astrophysical Observatory Time Allocation Committee (1995–97); NSF–Caltech Submillimeter Observatory Review (1996); NSF Galactic Astronomy ISM Panel (1996, 2000 (chair)); M4 Satellite Science Advisory Group, Chair (1997, 2000); Harvard University Faculty Council (1997–98); AAS Publications Board (1998–2001); United States Square Kilometer Array Consortium Representative (1999–); National Academy of Science’s Committee on Astronomy and Astrophysics (2000–2003); NASA–SIRTF Legacy Review, Panel Chair (2000); AAS Committee on Astronomy and Public Policy (2000–6); NRAO VLA/VLBA Time Allocation Committee (2001–4); AUI NRAO Director Search Committee (2002); Harvard University Provost’s Committee on Science (2002–3); Task Force on Science and Technology (Harvard, 2003–4); Center for Astrophysics Director Search Advisory Committee (2003–4); Spitzer Science Center Oversight Committee (2003–6); Harvard Commission of Inquiry (2004–5, 2007–8); Harvard Subcommittee on Quantitative Reasoning (2002–2008); Goldwater Scholarship Selection Committee (2004–); Harvard FAS Dean Search Advisory Committee (2006–7); AAS Chambliss Award (for Textbook Writing) Committee (2006–7); Yale University Visiting Committee for Astronomy (2008); AAAS Chair (2008); AAAS Board (2009); NRC board on Research Data and Information (2009–2012); VAO Scientific Advisory Committee (2009–2012); ALMA North American Science Advisory Committee (2009–2012); Graduate Admissions, Chair (2011, 2014); Mentoring Committee, Chair (2011); Harvard Library Digital Scholarship Committee (2011–2012); Committee on Professional Conduct (2011–); HILT Advisory Committee (2012–2014); Vice Provost’s Advances in Learning Advisory Committee (2014–); Harvard/FAS Library Committee (2014–); American Astronomical Society Publications Task Force (2014); American Astronomical Society Publications WorldWide Telescope Force

(2015); Astroinformatics and Astrostatistics Working Group of the American Astronomical Society (2012–); Sloan/UCLA Knowledge Infrastructures Advisory Committee (2012–); Board on Data, Ethics and Society (2014–); [Departmental and Conference Organizing Committees not listed here.]

REFERENCES

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- C. N. Beaumont, A. A. Goodman, S. Kendrew, J. P. Williams, and R. Simpson. The Milky Way Project: Leveraging Citizen Science and Machine Learning to Detect Interstellar Bubbles. *ApJS*, 214:3, 2014.
- A. Pepe, A. Goodman, A. Muench, M. Crosas, and C. Erdmann. How Do Astronomers Share Data? Reliability and Persistence of Datasets Linked in AAS Publications and a Qualitative Study of Data Practices among US Astronomers. *PLoS ONE*, 9(10):104798, 2014.
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