

Curriculum Vitae: Alyssa A. Goodman

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| Name | Alyssa A. Goodman |
| Office | Astronomy Department, Harvard University Cambridge, MA 02138, 617-495-9278 |
| Home | 485 Concord Avenue, Lexington, MA 02421 |
| Web Site | scholar.harvard.edu/agoodman |
| Origin | July 1, 1962, New York, New York |

Education

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

Academic Experience

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| 2015– | Robert Wheeler Willson Professor of Applied Astronomy, Harvard University |
| 1995– | Research Associate, Smithsonian Astrophysical Observatory |
| 2017–2021 | Co-Director for Science, Radcliffe Institute for Advanced Study |
| 2017 | Visiting Professor, University of Vienna |
| 2016–2017 | Edward, Frances, and Shirley B. Daniels Fellow, Radcliffe Institute for Advanced Study |
| 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) |
| 1999–2015 | Professor, Harvard University Astronomy Department |
| 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 |

Other Professional Experience

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| 2020– | Founder and President, glue solutions inc. |
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Honors, Awards and Elected Positions

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| 2020 | Franke Drake Lectureship (delivered 2022), Green Bank Observatory |
| 2020 | Fellow, American Astronomical Society (AAS) |
| 2019 | Tinsley Lecturer, University of Texas |
| 2017 | Salpeter Lecturer, Cornell University |
| 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 | Dean’s 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); Faculty Advisor to the Communication Science Conference (ComSciCon, 2014–); Harvard/FAS Library Committee (2014–2019); 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 (2014–2017); Dunlap Institute Advisory Committee (Chair, 2016–2019); Harvard Data Science Initiative Steering Committee (2017–2019); Vice Provost for Advances in Learning Advisory Committee (2017–19); Harvard FAS-Division of Continuing Education Standing Committee (Chair) (2019–); MPE Fachbeirat (2019); CEASAR Advisory Board (2020–); (German) National Research Data Infrastructures (NFDI) Review Panel (2020); ORIGINS Excellence Cluster (Germany) Science Advisory Committee (2020–); NAS Committee on Astronomy and Astrophysics (2021–); NASA SciAct Working Group on The Science of Science (2021–) [Departmental and Conference Organizing Committees not listed here.]

References

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3. Swiggum C, D’Onghia E, Alves J, Großchedl J, Foley M, Zucker C, Meingast S, Chen B, Goodman A (2021) Evidence for Radial Expansion at the Core of the Orion Complex with Gaia EDR3. *arXiv e-prints*, :arXiv:2101.10380.
4. Schmiedeke A, Pineda JE, Caselli P, Arce HG, Fuller GA, Goodman AA, José Maureira M, Offner SSR, Segura-Cox D, Seifried D (2021) Dissecting the super-critical filaments embedded in the 0.5 pc subsonic region of Barnard 5. *arXiv e-prints*, :arXiv:2101.00248.
5. Kong S, Ossenkopf-Okada V, Arce HG, Bally J, Sánchez-Monge Á, McGehee P, Suri S, Klessen RS, Carpenter JM, Lis DC, Nakamura F, Schilke P, Smith RJ, Mairs S, Goodman A, Maureira MJ (2021) The CARMA-NRO Orion Survey: Filament Formation via Collision-induced Magnetic Reconnection—the Stick in Orion A. *ApJ*, 906(2):80. <https://doi.org/10.3847/1538-4357/abc687>
6. Das KK, Zucker C, Speagle JS, Goodman A, Green GM, Alves J (2020) Constraining the distance to the North Polar Spur with Gaia DR2. *MNRAS*, 498(4):5863–5872. <https://doi.org/10.1093/mnras/staa2702>
7. Sridharan TK, Bialy S, Blundell R, Burkhardt A, Dame T, Doeleman S, Finkbeiner D, Goodman A, Grimes P, Imara N, Johnson M, Keating G, Lada C, Le Gal R, Myers P, Narayan R, Paine S, Patel N, Raymond A, Tong E, Wilner D, Zhang Q, Zucker C (2020) A Prospective ISRO-CfA Himalayan Sub-millimeter-wave Observatory Initiative. *arXiv e-prints*, :arXiv:2008.07453.
8. Choudhury S, Pineda JE, Caselli P, Ginsburg A, Offner SSR, Rosolowsky E, Friesen RK, Alves FO, Chacón-Tanarro A, Punanova A, Redaelli E, Kirk H, Myers PC, Martin PG, Shirley Y, Chun-Yuan Chen M, Goodman AA, Di Francesco J (2020) Ubiquitous NH₃ supersonic component in L1688 coherent cores. *A&A*, 640:L6. <https://doi.org/10.1051/0004-6361/202037955>
9. Chen HH-H, Offner SSR, Pineda JE, Goodman AA, Burkert A, Ginsburg A, Choudhury S (2020) Core Formation, Coherence and Collapse: A New Core Evolution Paradigm Revealed by Machine Learning. *arXiv e-prints*, :arXiv:2006.07325.
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14. Stephens IW, Bourke TL, Dunham MM, Myers PC, Pokhrel R, Tobin JJ, Arce HG, Sadavoy SI, Vorobyov EI, Pineda JE, Offner SSR, Lee KI, Kristensen LE, Jørgensen JK, Gurwell MA, Goodman AA (2019) Mass Assembly of Stellar Systems and Their Evolution with the SMA (MASSES)—Full Data Release. *ApJS*, 245(2):21. <https://doi.org/10.3847/1538-4365/ab5181>
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