

## C. Megan Urry

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**CURRENT RESEARCH INTERESTS:** Evolution of black holes and galaxies, multiwavelength surveys, accretion, jets, unification of active galactic nuclei, blazars

### EDUCATION

Johns Hopkins University  
Tufts University

Ph.D., Physics, 1984, M.S., Physics, 1979  
B.S., Physics & Mathematics, 1977 *summa cum laude*

### POSITIONS HELD

2001-present Yale University: Israel Munson Professor of Physics & Astronomy; Director, Yale Center for Astronomy and Astrophysics  
2007-2013 Yale University: Chair, Department of Physics  
1987-2001 Space Telescope Science Institute: Astronomer and Head, Science Program Selection Office (1996-2001); Associate Astronomer with tenure (1995-1999); Assistant Astronomer and Chief, Research Support Branch (1990-1995); Institute Postdoctoral Fellow (1987-1990)  
1984-1987 Massachusetts Institute of Technology, Center for Space Research, Postdoctoral Fellow (with Claude Canizares)  
1977-1984 Johns Hopkins University Graduate Student, Physics Department; NASA Graduate Research Fellow, X-ray group, Goddard Space Flight Center; Physics Instructor, University of Maryland Overseas College (1979); Teaching Assistant and Senior TA for General Physics  
1977 Scientific data aide, X-ray group, Smithsonian Astrophysical Observatory  
1976 Summer student, National Radio Astronomy Observatory

### PUBLICATIONS (see bibliography for details)

H-index 78, 2000 citations per year, over 310 publications in refereed journals (Astrophysical Journal, Astrophysical Journal Letters, Astrophysical Journal Supplement, Nature, Science, Annual Reviews of Astronomy & Astrophysics, Monthly Notices of the Royal Astronomical Society, Astronomy & Astrophysics, Publications of the Astronomical Society of Japan, Advances in Space Research, Astroparticle Physics)

39 book chapters and invited review papers, 3 books edited

Over 500 abstracts and contributed papers

Over 360 colloquia and invited talks, including 148 talks and papers on women in science

Over 45 articles in the popular press (Parade magazine, CNN.com, Huffington Post)

20 AAS Presidential Columns

### RECENT STUDENTS AND POSTDOCTORAL FELLOWS SUPERVISED

*Current Postdocs:* Fabio Pacucci, Michael Tremmel, Vivienne Baldassare

*Former Postdocs:* Allison Kirkpatrick, Nico Cappelluti, Grant Tremblay, Francesca Civano, Stephanie LaMassa, Eilat Glikman, Kevin Schawinski, Erin Bonning, Ritaban Chatterjee, Yasunobu Uchiyama, Eleni Chatzichristou, Riccardo Scarpa, Joe Pesce, Rita Sambruna, Elena Pian, Paola Grandi, Paolo Padovani

*Current and former YCAA Postdocs:* Rachael Roettenbacher, Michael Tremmel, Allison Kirkpatrick, Nico Cappelluti, Andrew Hearin, Pascal Oesch, Jonathan Foster, Stella Offner, Nikku Madhusudhan, Megan Schwamb, Nitya Kallivayalil, Jason Tumlinson, Kyoungsoo Lee, Eric Gawiser, Ken Rines, Nick Morgan

*Current graduate students:* Tonima Tasnim Ananna, Aritra Ghosh, Kaustav Mitra, Meredith Powell

*Former graduate students:* Peiyuan Mao, Jedidah Isler, Brooke Simmons, Carie Cardamone, Jeffrey van Duyne, Ben Elder, Shanil Virani, Ezequiel Treister, Jong-Hak Woo, Zachary Harris, Matthew O'Dowd, Rita Sambruna, Elena Pian, Paola Grandi, Amanda Marlowe (Subba Rao)

*Senior theses:* (2019) Gabriel Mininberg; (2018) Vicki Beizer, Pratik Ghandi; (2017) Joyce Guo; (2015) Anna Han, Connor Hoge; (2012) Margaret Lazzarini; (2011) James Kim; (2009) Elissa Berwick, Taylor Giffen, Allison Kaptur, Severin Knudsen; (2008) Iara Cury, Bronika Kushkuley; (2007) Hannah Krug, Justin Presant, Alex Richardson; (2006) Tim Brandt, Zach Dennett; (2005) Brendan Cohen; (2004) Alison Duffy, Rob Hyde; (2003) Karen Peterson; (2002) Olivia Billett, Belina Mizrahi

*Summer students:* (2018) Mariam Abalo-Toga, Katy Ann Carr, Justin Johnson, Emma Longhurst, Emmaneul Newsome, (2017) Kurt Hamblin, Victoria Song; (2016) Zoe Aridor, Rachel Cooper, Keilah Davis, Dominic Eggerman, Joyce Guo, Nat Kerman, (2015) Dominic Eggerman, Nat Kerman, Sydney Young; (2014) Matthew Brady, Mark Hamilton, Connor Hoge, Mari Kawakatsu, Kate Miller, Field Rogers, Sonya Vohra; (2013) Brooke Lamell, Nailen Matschke, Robert Pecoraro, Alec Solder; (2012) Arifin, Miranda Kephart, Anna Han, Michael Albergo, Hunter Francis, Lily Hoffman, Nailen Matschke; (2011), Roger Lo, Will Vranos, Lucian Wang; (2010) Jenna Freudenberg, Henry Wilkin, Matt Caraway, Nick Ferreri, Claire Stepanek, Lucian Wang; (2008) Elissa Berwick, Michele Dufault, Severin Knudsen, Laura Kreidberg; (2006) Iara Cury, Kevin Greene, Allison Kaptur, Antonella Lisanti; (2004) Ruth Toner; (2003) Tim Brandt, Santanov Chaudhuri, Philip Levin, David Moore; (2002) Meredith Hughes; (STSci) Chiharu Tanihata, Teddy Cheung, Jessica Kim, Abby Paske, Laura Wickless; (MIT) Jennifer Sokoloski, Christopher Papineau, Marilyn Oberhardt, Michael Rohan

## **TEACHING**

Yale Physics 040 *Expanding Ideas of Time and Space: An Introduction to Relativity, Cosmology & the Universe*

Yale Physics 200-201 *Fundamentals of Physics (Study Hall)*

Yale Physics 180-181 *Advanced Introductory Physics (interactive, peer learning, with clickers, course creation)*

Yale Science 198-199 *Perspectives on Science and Engineering (freshman seminar)*

Yale Physics 205, 206, 165 *Introductory Labs*

Yale Physics 343 *Astrophysics, Gravity, and Cosmology (course creation)*

Yale Physics 471-472 *Independent Research*

Yale Physics 999 *Special Investigations (Graduate Lab)*

Prior to Yale: MIT 8.01 *Introductory Physics (Recitation section)*; University of Maryland Overseas College *Introductory Physics*; Johns Hopkins *Introductory Physics (Recitation sections, Head Teaching Assistant)*

## **AWARDS AND HONORS**

Johns Hopkins University Society of Scholars, 2019

Rorschach Lecture, Rice University, October 2018

Howard R. Lamar Faculty Award, Yale University, April 2018

Distinguished Lecture, University of Maryland, Baltimore County, November 2017

Elizabeth Laird Lecture, University of Western Ontario, November 2017

National Academy of Sciences, 2016

Yunker Lecture, Oregon State University 2016

McCarthy Lecture, Tufts University 2016

WiSETI/Schlumberger Lecture, Cambridge University 2016

Hintze Lecture, Oxford University 2015

Caroline Herschel Lecture, Space Telescope Science Institute 2015

Edward A. Bouchet Leadership Award Medal from Yale University 2015

Antoinette de Vaucouleurs Medal, University of Texas, Austin 2014

Russell Women in Science Lecture, Mills College 2014

Sturm Lecture, Wesleyan University 2014

American Association for the Advancement of Science Fellow 2013

Van Biesbroeck Prize, American Astronomical Society 2012

Woman in Space Science Award, Adler Planetarium 2010

Honorary Degree of Science, Tufts University 2009

American Academy of Arts and Sciences Fellow 2008

Connecticut Academy of Science & Engineering Fellow 2007

Association of Women in Science Fellow 2006

American Physical Society Fellow 1999

NASA/GSFC Productivity Group Award 1996

Annie Jump Cannon Award in Astronomy 1990  
N. Hobbs Knight Award for Physics, Tufts University 1976, 1977  
Phi Beta Kappa 1976

## **MEMBERSHIPS**

American Academy of Arts and Sciences  
American Association for the Advancement of Science  
American Association of University Women  
American Astronomical Society (HEAD Division Member)  
American Physical Society, Fellow (Division of Astrophysics Member)  
American Women in Science (Fellow)  
Connecticut Academy of Science and Engineering  
International Astronomical Union  
National Academy of Sciences

## **SCIENCE POLICY COMMITTEES**

International Advisory Committee for Institute of Science of Cosmos (ICCUB), University of Barcelona, 2018-present  
Max-Planck-Institut für Astronomie Heidelberg Science Advisory Board, 2018-present  
Advisory Council (and Executive Committee), Sloan Digital Sky Survey V, 2018-present  
National Academy of Sciences Committee for Award for Scientific Reviewing in Astronomy (Chair), 2018-2019  
National Academy of Sciences Space Technology Roundtable, 2017-present  
Associated Universities, Inc., Board Member, 2017-present  
US National Committee for the International Astronomical Union, 2017-present  
COACH for Women Scientists and Engineers Advisory Board, 2016-present  
NASA Far-IR Study Advisory Board, 2016-present  
International Astronomical Union, U.S. National Committee, 2016-present  
National Academy of Sciences Nominating Committee, 2017-2018  
Advisory Council, Sloan Digital Sky Survey III, IV 2011-2014  
American Astronomical Society Council President 2013-2017, Councilor 2008-2011  
NASA Science Advisory Committee, Member 2012-2014  
US Liaison Committee for the International Union of Pure and Applied Physics, Member-at-Large, 2012-2014  
Public Policy Committee of the American Physical Society, 2011-2014  
American Association of Universities, NASA Presidential Working Group, 2007-2014  
Astronomy Section Head, American Association for the Advancement of Science, 2010-2012  
Committee on Public Policy of the American Astronomical Society, 2006-2011  
Council of the American Astronomical Society (& Appointments Committee), 2008-2011  
Space Telescope Science Institute Committee on Diversity (Chair 2007-2009), 2007-2010  
Astro2010 (Astronomy and Astrophysics Decadal Survey) Science Frontier Panel Chair ("Galaxies Across Cosmic Time"), 2009-2010  
Gemini Telescopes Board Member, 2008-2009  
National Academies of Science/National Research Council Committee on Astronomy and Astrophysics, Co-Chair 2004-2007  
National Academies of Science/National Research Council Board on Physics & Astronomy 2003-2007  
National Academies of Science/National Research Council Ad Hoc Committee to Assess Progress toward the Decadal Vision in Astronomy and Astrophysics, Chair 2004-2005  
National Academies of Science/National Research Council Space Studies Board 2000-2004; Executive Committee 2001, 2003  
National Virtual Observatory Science Definition Team 2001

NASA Space Science Advisory Committee 1997-2000  
NASA Space Science Advisory Committee Task Group on Mission Operations and Data Analysis 1998  
American Astronomical Society Committee on the Status of Women in Astronomy Chair, 2000-2003;  
1998-2000, 1994-1996  
American Physical Society Committee on the Status of Women in Physics (CSWP) 2000-2002  
American Physical Society Astrophysics Division Executive Committee 1995-1997 & 1999-2001  
AGILE (Italian Gamma-Ray Satellite) Science Support Team 1998  
American Astronomical Society Nominating Committee 1996-1998 & 2001-2004 (Chair 1997-1998)  
Maria Mitchell Award Advisory Committee 1997-1998  
National Academies of Science/National Research Council Task Group on Space Astronomy and  
Astrophysics 1996  
NASA Advisory Committees

#### **OVERSIGHT COMMITTEES AND PEER REVIEW PANELS**

Visiting Committee, Columbia Astrophysics Laboratory, 2019  
American Astronomical Society Appointments Committee, 2018-present  
International Advisory Board for the Australian Research Centre for Excellence in All-Sky Astrophysics in 3  
Dimensions (\$40 Million funded by Australian Research Council), 2017-present  
Eidgenössische Technische Hochschule Zurich Physics Department external advisor, 2018-present  
National Academy of Sciences Selection Committee for the 2019 NAS Award for Scientific Reviewing  
(Chair), 2018-2019  
Astronomy Visiting Committee, University of Maryland, 2017  
Visiting Committee to the Niels Bohr Institute (Chair), University of Denmark, 2015  
Physics, Mathematics and Astronomy Division Visiting Committee, Caltech, 2013  
External Evaluation Committee of ISAS (Co-Chair), Japan Aerospace Exploration Agency, 2012  
Argonne National Laboratory CSWP Visiting Committee (Chair), 2012  
Physics Visiting Committee, Harvard University (Chair, 2015), 2011-2015  
ASTRON (Netherlands Radio Astronomy) Visiting Committee, 2011  
Astronomy Visiting Committee, Harvard University, 2011  
Chandra Time Allocation Committee (Chair), 2010  
Massachusetts Institute of Technology APS/CSWP Site Visit Committee (Chair), 2009  
Radcliffe Science Advisory Committee, 2007-2009  
HST Proposal Review Time Allocation Committee (Chair), 2007  
Spitzer Time Allocation Committee (Chair), 2006  
University of Michigan APS/CSWP Site Visit Committee (Chair), 2005  
Chandra Fellowship Review Committees (Chair), 2005  
University of Wisconsin APS/CSWP Site Visit Committee, 2002  
Peer Review Panels for NASA facilities (Chandra, Hubble, Spitzer, RXTE, ASCA, IUE)

#### **YALE COMMITTEES**

Science Council, 2015-present (2017-2019, Chair)  
Public Voices Fellowship, 2011-2018 (2017-2018, co-lead)  
Physics Department Committee on Special Opportunities, 2017-2018  
Advisor to Yale Chapter of Association of Women in Science, 2016-present  
Michelle Dufault Fund for Yale Women in Science Committee, 2016-present  
Poynter Journalist Committee, 2015-present  
Committee on Undergraduate Physics Education, 2014-present  
Pre-College Science Outreach Steering Committee, 2011-present  
Yale Center for Astronomy & Astrophysics Postdoctoral Search Committee 2002-present  
Jonathan Edwards College Freshman Advisor, 2002-present  
Women Faculty Forum Council 2001-present, Steering 2002-present, Co-Chair 2007-2008  
Silliman Lectureship Committee, 2015-2017, 2011-2012

Conflict of Interest Committee, 2015-2016  
FAS Senate Implementation Committee, 2014-2015  
Yale group to review STEM Teaching, 2011-2014  
Postdoctoral Advisory Committee, 2011-2013  
Committee to Review the Yale-Peking University Cooperative Program 2008-2009  
Committee to Recommend New Master of Jonathan Edwards College Chair, 2007-2008  
Faculty Arts & Sciences Tenure and Appointments Policy Review Committee 2005-2007  
Tenure Appointments Comm., Division of Physical Sciences and Engineering 2003-2007  
Advisory Committee of the Division of Physical Sciences and Engineering 2003-2007  
University Budget Committee 2004-2006  
Yale University Advisory Council of the Yale-New Haven Teachers Institute 2003-2008  
Department of Physics Astrophysics Search Committee Chair, 2003-2008, 2006-2007  
Department of Physics Particle Experiment Search Committee 2005-2006  
Physics Laboratory Demonstration Committee 2004-2005  
Physics Appointments Review Committees  
Marie Curie Centennial Symposium on Women in Science Organizing Committee 2002-2003  
Physics Long-Range Planning Committee 2002-2003  
Physics Committee on Undergraduate Physics 2001-2003

#### **OTHER SERVICE ACTIVITIES**

President, American Astronomical Society, 2013-2017  
Editor of STATUS (CSWA Newsletter) 1998-2005, Contributing editor 2005-present  
Team Lead, U.S. Delegation, 1st & 4<sup>th</sup> IUPAP Intl. Conf. on Women in Physics, Paris 2002, Cape Town 2011  
Advisory Committee, Astronomical Society of the Pacific Conference Series 1999-2000  
Publications Board, Astronomical Society of the Pacific 1997-1999  
Proposal Review for NSF, NASA, International Research Councils  
Manuscript Review for Nature, ApJ, ApJ Letters, AJ, A&A, MNRAS, Pub. Astr. Soc. Japan  
Member, Scientific Organizing Committees (~40 conferences 1998-present)  
Public Talks (3-10 times per year)