Curriculum Vitae–Adam Guy Riess

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Johns Hopkins University
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Positions Held

Johns Hopkins University, Professor of Physics and Astronomy, 2006-
Distinguished Bloomberg Professor and Thomas J. Barber Chair
Space Telescope Science Institute, Distinguished Astronomer, 1999-
U.C. Berkeley, Miller Fellow, 1996-1999

Education

Harvard University, Ph.D., Astrophysics, 1996
Massachusetts Institute of Technology, B.S, Physics, Minor in History 1992, $\Phi\beta\kappa$

Academic Honors and Awards

Breakthrough Prize in Fundamental Physics, 2014
Nobel Prize in Physics, 2011
NASA Exceptional Scientific Achievement Award, 2011
Einstein Medal, 2011
Gruber Prize in Cosmology, 2007
Shaw Prize, Hong Kong, 2006
Raymond and Beverly Sackler Prize, Tel-Aviv University, 2004
Helen B. Warner Prize, American Astronomical Society, 2003
Bok Prize, Harvard University, 2001
AURA Science Award, STScI, 2000
Trumpler Award, Astronomical Society of the Pacific, 1999

Societies and Fellowships

American Physical Society, Fellow 2011
Gilman Scholar, Johns Hopkins University, 2011
National Academy of Sciences, 2009
MacArthur Fellow, 2008
American Academy of Arts and Sciences, 2008
Kavli Frontier of Science Fellow, 2007

Public Recognition

Time Magazine 25 Most Influential People in Space, 2012
Academy of Achievement, Golden Plate Award, 2012
Discover Magazine Twenty under 40, 2008
Esquire Magazine "Best and Brightest" Award, 2003
Discover Magazine Innovator Award, Finalist, 2003
Time Magazine Innovator Award, 2000
Science Magazine's Research "Breakthrough of the Year", 1998

Named Lectures

2016 Kaufmanis Lecture, University of Minnesota
2015 LH Thomas Lecture, North Carolina State University
2015 Neff Lecture, Kansas State University
2015 Rittenhouse Lecture, University of Pennsylvania
2015 de Vaucouleurs Lecture, University of Texas, Austin
2015 Albert Einstein Memorial Lecture, Princeton
2014 Michelson Lecture, US Naval Academy
2014 Heilborn Lectures, Northwestern University
2014 Distinguished Lecture, University of Wisconsin, Lacrosse
2013 Pegram Lecture, Brookhaven National Lab
2013 Konopski Lecture, Indiana University
2013 Sturm Lecture, Wesleyan University
2013 47th Gamow Lecture, University of Colorado
2012 Eberly Lecture, Penn State University
2012 Smith Lecture, Ohio State University
2012 Robbins Lecture, Rutgers University
2012 Sackler Lecture, University of California, Berkeley
2012 Sackler Lecture, Harvard University
2011 Pappalardo Lecture, Massachusetts Institute of Technology

Current Science Initiatives

Principle Investigator of SH0ES Team which has refined the Hubble constant (the present expansion rate of the Universe) to 2.4% precision through the competitive awarding of more than 700 orbits of Hubble Space Telescope time and 13 separate programs.

Principal Investigator of the Higher-z SN Team which has found and measured the 20 most distant type Ia supernovae known through the competitive awarding of more than 800 orbits of Hubble Space Telescope Time in 5 cycles and $2M in grants since 2002.

Students and Postdocs Supervised

Dr. Dan Shafer, Postdoctoral Fellow, JHU, 2016-present
Miss. Caroline Huang, Graduate Student, JHU 2015-present
Dr. Samantha Hoffman, Postdoctoral Fellow, Texas A&M, 2014-2016
Dr. Richard Anderson, Postdoctoral Fellow, JHU, 2014-present
Mr. David Jones, Graduate Student, JHU 2011-present
Dr. Steve Rodney, Postdoctoral Fellow, JHU, 2010-2015
Mr. Dan Scolnic, Graduate Student, JHU, 2007-2014
Dr. Mark Huber, Postdoctoral Fellow, JHU, 2007-2010
Dr. Andre Martel, Postdoctoral Fellow, JHU, 2006-2007
Miss. Bridget Faulk, Graduate Student, JHU, 2006-2009
Dr. Joao Souza, Postdoctoral Fellow, STScI, 2005-2006
Dr. Hubert Lampeitl, Postdoctoral Fellow, STScI, 2005-2008
Dr. Louis Strolger, Postdoctoral Fellow, STScI, 2002-2005
Mr. Josh Younger, Undergraduate Research Assistant, STScI, 2005
Mr. Chris Carpenter, Undergraduate Research Assistant, Harvard, 1996

Recent Teaching and Communication

Johns Hopkins University, taught "Stars and the Universe" 171.118, Spring 2007-2016
Scientific American, "The Puzzle of Dark Energy", A. G. Riess and M. Livio, March 2016
"From Slowdown to Speedup", A. G. Riess and M. S. Turner, February 2004
Physics Today, "Measuring the Hubble Constant", M. Livio and A. G. Riess, October 2013

Recent Public Media

Starmus, Guest Speaker, 2016
World Science Festival, Speaker, Master Class, 2015
National Geographic Live, 2012
Science Friday: Ask an Astronomer, Guest, NPR, 2012 Science Friday, Guest, NPR, 2012
Wait, Wait, Dont Tell Me , NPR, 2011
The Universe, NHK Japan, 2010
400 Years of The Telescope, NPR 2008
Hubbles Amazing Universe, National Geographic 2008

Significant First Author Publications

(Publications > 168, > 40000 citations, h index > 70, 1st Author=31 >19000 citations)

Riess, A. G. et al. 1998, Observational Evidence from Supernovae for an Accelerating Universe and a Cosmological Constant, AJ, 116, 1009

Riess, A. G., et al. 2004, Type Ia Supernova Discoveries at $z > 1$ From the Hubble Space Telescope: Past Deceleration and Constraints on Dark Energy Evolution, ApJ, 607, 665

Riess, A. G., et al. 2016, A 2.4% Determination of the Local Value of the Hubble Constant, ApJ, 826,56

Riess, A. G., Press, W. H., Kirshner, R. P. 1996, A Precise Distance Indicator: Type Ia Supernova Multicolor Light Curve Shapes ApJ, 473, 88

Riess, A. G., et al. 2007, New Hubble Space Telescope Discoveries of Type Ia Supernovae at z ¿ 1: Narrowing Constraints on the Early Behavior of Dark Energy, ApJ, 659, 98

Riess, A. G. et al., 2001, The Farthest Known Supernova: Support for an Accelerating Universe and a Glimpse of the Epoch of Deceleration, ApJ, 560, 49

Riess, A. G., Macri, L., Casertano, S., Sosey, M., Lampeitl, H., Ferguson, H. C., Filippenko, A. V., Jha, S. W., et al., A Redetermination of the Hubble Constant with the Hubble Space Telescope from a Differential Distance Ladder, 2009, ApJ, 699, 539

Riess, A. G., Macri, L., Casertano, S., Lampeitl, H., Ferguson, H. C., Filippenko, A. V., Jha, S. W., Li, W., et al., A 3% Solution: Determination of the Hubble Constant with the Hubble Space Telescope and Wide Field Camera 3, 2011, ApJ, 730, 119

Riess, A. G. et al., 1999, BVRI Photometry of 22 Distant Type Ia Supernovae, AJ, 117, 707

Riess, A. G., Casertano, S., Anderson, J., MacKenty, J., & Filippenko, A. V., 2014, Parallax beyond a Kiloparsec from Spatially Scanning the Wide Field Camera 3 on the Hubble Space Telescope, ApJ, 785, 161