

# Curriculum Vitae (Shardha Jogee)

## Address

Dr. Shardha Jogee  
Department of Astronomy  
University of Texas (UT) at Austin  
1 University Station C1400  
Austin, TX 78712-0259, U.S.A.

Work: (512) 471-1395  
Fax: (512) 471-6016  
E-mail: sj@astro.as.utexas.edu  
<http://www.as.utexas.edu/~sj>

## Education

- Yale University, U.S.A – Astronomy – Ph.D. (1999), M. Phil. (1994), M. S. (1994).
- Cambridge University, England – Physics – B.A. (1992), M.A. (1995).

## Employment

- August 2019–Present: Professor in the Astronomy Department and holder of the Rex G. Baker, Jr. and McD Centennial Professorship, UT Austin.
- July 2015– July 2019: Department Chair, Astronomy Department, UT Austin
- 2014–2015: Department Associate Chair, Astronomy Department, UT Austin
- 2014–Present: Professor, Astronomy Department, UT Austin.
- 2009–2013: Associate Professor, Astronomy Department, UT Austin.
- 2004–2008: Assistant Professor, Astronomy Department, UT Austin.
- 2002–2004: Assistant Astronomer, Space Telescope Science Institute.<sup>1</sup>
- 1998–2002: Postdoctoral Scholar, California Institute of Technology (Caltech)

**Summary of Grant Awards:** I have been awarded ~\$3.4 M in external research and education grants over the period 2004 to 2018. Research grants account for ~\$2.8 M, of which ~\$2.2 M are from grants where I am the Principal Investigator. Education and outreach grants account for ~\$0.7 M. For multi-institution grants, the grant amounts listed above include *only* the amount awarded to my institution with me as PI, Co-PI, or Co-I.

**Summary of Publications:** As of September 2019, my publication record includes 190 publications with 7750+ citations (including 23 papers with over 100 citations), a current citation rate of 400+ citations per year, and an h-index of 44.

**Summary of Talks:** I have presented over 60 invited colloquia and talks at universities and conferences (e.g., in USA, England, France, Germany, the Netherlands, Italy, Spain, Chile, South Africa, etc) on research, STEM education, and academic leadership.

**Research Program:** My research addresses central questions on the evolution of galaxies as a function of cosmic epoch, mass, and environment. How do galaxies grow their stars, black holes, and dark matter halos across cosmic time and vastly different environments?

---

<sup>1</sup>Space Telescope Science Institute (STScI) oversees the scientific operations of NASA's *Hubble Space Telescope* and the future James Webb Space Telescope.

What is the role played by theoretically predicted growth modes, such as violent mergers of galaxies and slower more ‘quiescent’ modes (e.g., gas accretion along cosmological filaments and secular evolution driven by bars)? How do galaxy clusters – some of the largest bound structures in the Universe – form? I am a member of the following international science collaborations, which have conducted some of the largest or deepest galaxy surveys to date. Within these collaborations, my research group has led a large number of papers on the structure, merger, and assembly history of galaxies.

- Galaxy Evolution from Morphology and SEDs (GEMS).<sup>2</sup>
- Great Observatories Origins Deep Survey (GOODS).<sup>3</sup>
- Hubble ACS Ultra Deep Field (HUDF).
- Space Telescope A901/902 Galaxy Evolution Survey (STAGES).<sup>4</sup>
- HST ACS Treasury Survey of the Coma Cluster.<sup>5</sup>
- GOODS-NICMOS Survey (GNS) of Massive Galaxies at  $z \sim 2$ .
- The VIRUS-P Exploration of Nearby Galaxies (VENGA).
- Hobby-Eberly Telescope Dark Energy Experiment (HETDEX).<sup>6</sup>

## Leadership and Administrative Experience

- Member of the American Astronomical Society (AAS) Warner/Pierce Prize Committee (June 2019–Present)
- Member and Sub-Committee Chair of the Provost University Faculty Gender Equity Council (Oct 2018–Present)
- Selected by the Office of the Provost for the University of Texas Executive Management and Leadership Program (UTEMLP; Jan.–May 2018).
- Invited member of the Heising-Simons Foundation Physics and Astronomy Leadership Council (PALC; 2017-Present).
- Chair of Astronomy Department at UT Austin with  $\sim 200$  members. Milestones achieved include: (a) Promoting an inclusive culture of excellence and innovation and fostering a broader participation of under-represented groups in STEM through best practices in reducing bias in hires and admission, greater equity in salary and resources, and mentoring; (b) Growth of the UT Astronomy research program in planetary science, galaxy evolution, dark matter, cosmology, and stellar archeology through the hire and retention of 9 top-tier faculty members (40% of the faculty). This effort has also diversified our faculty and increased the representation of female faculty members from 13% to 24% (c) Launching and raising in one year 40% of a \$5 M fundraising campaign for the Astronomy Research Endowment (ARE) to provide permanent support for graduate students; (d) Funding and launching a new state-of-the-art UG research computer lab to advance our research-enhanced experiential model of education; (e) Public engagement, alumni relations, and development, including the securing of foundation support, fundraising for GMT,

---

<sup>2</sup><http://www.mpia.de/GEMS/gems.htm>

<sup>3</sup><http://www.stsci.edu/science/goods/>

<sup>4</sup>[www.nottingham.ac.uk/ppzmeg/stages](http://www.nottingham.ac.uk/ppzmeg/stages)

<sup>5</sup>[astronomy.swin.edu.au/coma/](http://astronomy.swin.edu.au/coma/)

<sup>6</sup><http://hetdex.org/hetdex/>

and the cultivation of the McDonald Observatory and Department of Astronomy Board of Visitors.

- Department Associate Chair, Astronomy Department, UT Austin (2014–2015).
- Invited member of the UT College of Natural Sciences Strategic Planning Task, which worked collaboratively with the new Dean to set up a five-year strategic vision plan for the college’s future. Led the white paper on “Graduate Student Support” and co-authored the white paper on “Faculty Hiring Practices” (2012–13).
- UT representative in the Leadership Texas program for women leaders in industry, business, government, and academia (2014).
- Member of the Advisory Council for the Texas Institute for Discovery Education in Science (TIDES) (2014–2015).
- Astronomy Undergraduate Advisor, Astronomy Graduate Studies Committee (GSC) Chair, Member of Astronomy Faculty Search Committees, and lead of federally-funded STEM outreach programs (2005–Present).
- Served on scientific advisory panels for federal funding agencies (e.g., NASA, NSF) and time allocation panels for international research facilities. Referee for top-tier journals, including the *Astrophysical Journal* (ApJ), *Astrophysical Journal Letters* (ApJL), *Astronomy & Astrophysics* (A&A), and *Monthly Notices of the Royal Astronomical Society* (MNRAS) (2005–Present)
- Lead for core scientific investigations in five large international science collaborations, which conducted some of the largest or deepest galaxy surveys at the time (e.g., GEMS, STAGES, ACS Treasury survey of Coma, GOODS NICMOS Survey, SHELA/HETDEX) (2002–Present).
- Instrument scientist at the Space Telescope Science (STScI) Institute for NASA’s Advanced Camera for Surveys (ACS), which was the most advanced instrument on the Hubble Space Telescope in 2002. As team leader for the Phase II proposal process for ACS, I led a team of 12 tenured and tenure-track scientists to design and optimize the scientific programs for ACS on Hubble (2002–2004).
- Core member of the STScI home team that designed the Hubble Ultra Deep Field (HUDF), the deepest optical image ever made of the Universe, and presented it to the media through scientific panels (2002–2004).
- Member of the International Astronomical Union (IAU) Commission 28 on Galaxies (2009–2013).
- Member of the Nominating Committee, American Astronomical Society (AAS), Division of Dynamical Astronomy (2010–2011).
- Member of the ALMA North American Science Advisory Committee (2007–2010).
- Member of the Giant Magellan Telescope (GMT) science working group (2008–2009).

### **Academic and Teaching Awards**

- College of Natural Science Teaching Excellence Award, UT Austin (2012)
- Board of Visitors Teaching Excellence Award, UT Austin (2011)

- American Association of University Women Educational Fellowship (1996)
- Amelia Earhart Fellowship, Zonta International (1996)
- Yale University J. F. Enders Research Fellowship, Yale University (1995)
- Sigma Xi Grants-in-Aid of Research, Sigma Xi Society (1995)
- Yale University J. F. Enders Research Fellowship, Yale University (1995)
- Garfinkel Prize, Yale University (1992)
- Elected to status of Fellow, Cambridge University, England (1990-1992)
- Full academic scholarship in Physics, Cambridge University, England (1989-1992)

**Selected Outreach Activities:** A detailed list of courses taught and outreach activities is provided in Appendix D of the CV. Below are a few selected activities:

- Co-authored textbook aimed at Ph.D. students (*Physics of Active Galactic Nuclei at all Scales*), Lecture Notes in Physics, Vol. 693, Eds. D. Alloin, R. Johnson, & P. Lira (Springer: Berlin Heidelberg)
- Voice America one hour radio interview<sup>7</sup> highlighting UT Astronomy, academic leadership, and my journey as a female astronomer (2016)
- Invited to lead a feature video for “The Universe” exhibit hall in the new Perot Museum of Science in Dallas, Texas, to encourage students to pursue STEM careers (2012–Present)
- Presentation of the education and research mission of the Astronomy program to the State of Texas Legislative Staff, including staff from Governor Abbott’s office, the Senate Higher Education Committee, the Senate Finance Committee, and the House Appropriations Committee (2016)
- Used a UT Award for Instructional Innovation Techniques along with funding from NASA and NSF, to develop the *Galaxies and Cosmos Explorer Tool (GCET)*<sup>8</sup>, an online tool to to actively engage undergraduate students, high school students, and the general public in ‘surfing’ through large galaxy surveys conducted with NASA’s *Hubble Space Telescope* and exploring galaxies through cosmic time.
- Invited talk on “Cosmic Explorations, Interdisciplinary Partnerships, and STEM Education”, National Association of Women Business Owners (2017)
- Presentation of Astronomy program milestones and research highlights to the Astronomy program Board of Visitors (with 240 members) twice a year (Feb. 2016, July 2016, Feb. 2017, July 2017).

---

<sup>7</sup>[www.voiceamerica.com/episode/93888](http://www.voiceamerica.com/episode/93888)

<sup>8</sup><http://www.as.utexas.edu/gcet/>

Curriculum vitae examples and writing tips, including CV samples, templates, and advice for U.S. and international job seekers. A curriculum vitae (CV) provides a summary of your experience, academic background including teaching experience, degrees, research, awards, publications, presentations, and other achievements, skills and credentials. CVs are typically used for academic, medical, research, and scientific applications in the U.S. Here you can review curriculum vitae samples, learn about the difference between a CV and a resume, and glean tips and advice on how to write a CV. When to Use a CV Instead of a Resume. In the United States, a curriculum vitae is used when applying for academic, education, scientific A curriculum vitae, often shortened to CV, is a Latin term meaning "course of life." A CV is a detailed professional document highlighting a person's experience and accomplishments. Employers often require a CV when considering applications. This document shares an overview of your career history, education, relevant awards and honors, scholarships, grants, research, projects and publications. A CV may also include professional references, as well as coursework, fieldwork, hobbies and interests relevant to your profession. You might also choose to add a personal profile that lists your skills CURRICULUM VITAE April 2016. Eric S. Maskin Adams University Professor Harvard University Littauer Center 312 1805 Cambridge Street Cambridge, MA 02138 (617) 495-1746 FAX: (617) 495- 7730 emaskin@fas.harvard.edu. EDUCATION. A.B. (Mathematics), Harvard University, 1972 A.M. (Applied Mathematics), Harvard University, 1974 Ph.D. (Applied Mathematics), Harvard University, 1976. ACADEMIC POSITIONS. The curriculum vitae, also known as a CV or vita, is a comprehensive statement of your educational background, teaching, and research experience. It is the standard representation of credentials within academia. The full CV is only used when applying for academic positions in four-year institutions. Do not use a CV when applying to community colleges—use a teacher-focused résumé instead. Tailor your CV to the specific positions to which you are applying and place more relevant sections earlier in the document. curriculum vitae definition: 1. a CV 2. a CV 3. a short written description of your education, qualifications, previous jobs. Learn more. Add curriculum vitae to one of your lists below, or create a new one. More. Go to your word lists. {{#verifyErrors}}. {{message}}. {{/verifyErrors}} {{^verifyErrors}} {{#message}}.