

# MAURO GIAVALISCO

## EDUCATION

2. **Ph.D. in Astronomy**, February 1992, University “La Sapienza”, Rome (Italy).
1. **Master in Physics**, September 1987, University “La Sapienza”, Rome (Italy).

## PROFESSIONAL EMPLOYMENTS

6. **Full Professor**, University of Massachusetts Amherst, March 2011 – present
5. **Associate Professor**, University of Massachusetts Amherst, February 2007 – March 2011
4. **Associate Astronomer**, Space Telescope Science Institute, Baltimore, MD, February 2003 – January 2007, ACS Instrument Scientist; JWST Outreach Scientist, INS.
3. **Assistant Astronomer**, Space Telescope Science Institute, Baltimore, MD, January 1999 – February 2003.
2. **Hubble Fellow**, The Carnegie Observatories, Pasadena, CA, January 1996 – December 1998.
1. **Post-doctoral Fellow**, Space Telescope Science Institute, Baltimore, MD, February 1992 – December 1995.

## HONORS, AWARDS AND PROFESSIONAL RECOGNITIONS

14. **Nova Professor**, Visiting Lecturer, The Netherlands, 2020
13. Clarivate-Reuters **World’s Most Cited Researchers**, November 2018
12. **Distinguished Teacher Award**, nomination, UMass, 2017–2018.
11. Clarivate-Reuters **World’s Most Cited Researchers**, November 2017
10. Clarivate-Reuters **World’s Most Influential Scientific Minds**, 2017
9. Thomson-Reuters **World’s Most Cited Researchers**, July 2017
8. Thomson-Reuters **World’s Most Cited Researchers**, July 2016
7. Thomson-Reuters **World’s Most Cited Researchers**, July 2015
6. ScienceWatch **World’s Most Influential Scientific Minds**, 2014
5. Thomson-Reuters **World’s Most Cited Researchers**, July 2014
4. **Distinguished Teacher Award**, nomination, UMass, 2008–2009.
3. **AURA Award for Excellence in Science**, STScI, July 2004.
2. Thomson-ISI **World’s Most Cited Authors**, June 2004 (ISIHighlyCited.com)
1. **Hubble Fellowship**, September 1996

## AREAS OF RESEARCH EXPERIENCE

- Formation and evolution of galaxies, observations of very high-redshift systems at optical and near-IR wavelengths.
- Morphology of distant galaxies with *HST* at optical (WFPC2) and near-IR (NICMOS) wavelengths.
- Integrated properties of stellar populations, the star formation and chemical enrichment history of galaxies, from multiwavelength imaging and spectroscopy.
- The kinematics of the ISM and dynamical measures in high-redshift star-forming galaxies, from optical and near-IR spectroscopy.
- Galaxy clustering and its evolution and relationship with the dark matter.

## LARGE-TEAM MEMBERSHIP

10. **Senior Co.I.:** CANDELS (P.I.s: Sandra Faber, Henry Ferguson)
9. **Co.I.:** GOODS Herschel (P.I. David Elbaz)
8. **Co.I.:** GOODS Spitzer 70  $\mu\text{m}$  (P.I. Mark Dickinson)
7. **Co.I.:** COSMOS Spitzer, (P.I.: David Sanders)
6. **Co.I.:** The PANS probe for dark energy through high-redshift supernovae (P.I.: Adam Riess)
5. **Senior Co.I.:** The COSMOS 2-degree Extragalactic Survey (P.I.: Nick Scoville)
4. **P.I.:** The Great Observatory Origins Deep Survey (GOODS): The Hubble Program
3. **Senior Co.I.:** The Great Observatory Origins Deep Survey (GOODS): The ground-based ESO Program (P.I.: Catherine Cezarsky)
2. **Senior Co.I.:** The Great Observatory Origins Deep Survey (GOODS): The Spitzer Program (P.I.: Mark Dickinson)
1. **Co.I.:** The Hubble Deep Field (P.I.: Robert Williams).

## CITATION STATISTICS (from NASA ADS, as of Mar. 5, 2020)

- Citation grand total: **41,896**, 41,377 out of 253 refereed publications, **163.55** cit./paper on average
- First-author publication citations: **2,998**, out of 16 publications, **187.38** cit./paper
- Number of papers with more than 100 citations: **99**
- H-index: **99**
- **Clarivate-Reuters World's Most Cited Researchers**, member, November 2019 (<https://clarivate.com/hcr>)
- **Clarivate-Reuters World's Most Cited Researchers**, member, November 2018 (<https://clarivate.com/hcr>)

- **Clarivate-Reuters World’s Most Cited Researchers**, member, November 2017  
(<https://clarivate.com/hcr>)
- **Thomson-Reuters World’s Most Cited Researchers**, member, July 2014 (<http://highlycited.com>)
- **Thomson-ISI world most cited autors**, member, June 2004 ([ISIHighlyCited.com](http://ISIHighlyCited.com))

### **Graduate Students**

- ( UMass) Zhiyiuan Ji (expected graduation Summer 2021)
- ( UMass) BoMee Lee (graduated Summer 2015)
- ( UMass) Christina Williams (graduated Summer 2014)
- ( UMass) Yicheng Guo (graduated Summer 2012)
- ( JHU/STScI) Seong-Kook “Joshua” Lee (graduated Fall 2009)
- ( JHU/STScI) Kyoung–Soo Lee (graduated Summer 2004)
- ( JHU/STScI) Casey Papovich (co-advised; graduated Spring 2002)

### **Mentoring of Postdocs:**

- ( UMass) Teng Liu, 2015-2017
- ( INAF-Trieste, co-advised) Elena Tundo, 2009-2012
- ( UMass) Sara Salimbeni, 2008-2012
- ( UMass) Paolo Cassata, 2008-2012
- ( INAF-Trieste, co-advised) Eros Vanzella, 2004- 2007
- ( STScI) Swara Ravindranath, 2003-2006
- ( STScI) Tomas Dahlen, 2003-2006
- ( STScI) Norman Grogin, 2003-2006