

# CURRICULUM VITAE ET STUDIORUM

## Daniela Calzetti

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### Education

- Ph.D., Astronomy, University of Rome ‘La Sapienza’, Italy 1992  
*Large-Scale Distribution of Galaxies and Clusters: The Scale of Inhomogeneity*  
Advisor: R. Ruffini
- M.S. (Laurea), Physics, University of Rome ‘La Sapienza’, Italy 1987  
*Self-Similar and Observer-Homogeneous Structures in the Universe: Theory and Observations*  
Advisor: R. Ruffini

### Appointments

- Head, Department of Astronomy, University of Massachusetts – Amherst 2018–present  
Professor, University of Massachusetts – Amherst 2009–present  
Associate Professor, University of Massachusetts – Amherst 2007–2009  
Associate Astronomer (w/Tenure since 2002), Space Telescope Science Institute 2000–2007  
Assistant Astronomer, Space Telescope Science Institute 1995–2000  
Postdoctoral Researcher, Space Telescope Science Institute 1992–1995  
E.S.A. Fellow, Space Telescope Science Institute 1990–1992  
Research Assistant, Physics Dept, University of Rome ‘La Sapienza’ 1988–1990  
Research Fellow, International Centre for Relativistic Astrophysics, University of Rome 1987–1988

### Professional Organizations

1. Member, American Astronomical Society.
2. Member, International Astronomical Union.

### Honors and Awards

- 2020, Elected Member, National Academy of Sciences  
2020, Distinguished Faculty Lecturer - University of Massachusetts  
2019, NASA Group Achievement Award, ”Astrophysics Large Mission Study Teams”  
2017 and 2018, Clarivate–Reuters World’s Most Cited Researchers  
2016, Tage Erlander Guest Professor, Swedish Research Council, Stockholm University, SE  
2015–2018, Elected Member, Board of Trustees, American Astronomical Society  
2015–2016, Samuel F. Conti Faculty Fellow - University of Massachusetts  
2015, Distinguished Visitor at the Australian Astronomical Observatory (Sidney) and Research School of Astronomy and Astrophysics (Canberra), Australia  
2014–2015, Overseas Fellow at Churchill College, Cambridge (UK)  
2014, Raymond and Beverley Sackler Distinguished Visitor, IoA, Cambridge (UK)  
2013–2028, US Member of the EUCLID Science Consortium (EUCLID is a space mission under construction by the European Space Agency)  
2013, Award for Outstanding Accomplishments in Research – University of Massachusetts  
2013, Blaauw Professor, Kapteyn Observatory, University of Gröningen, The Netherlands

**2008** Thomson Reuter Scientific (ISI) Fast Moving Fronts

**2007** Distinguished Visitor, Spitzer Science Center (CA)

**2003** NASA Goddard Group Achievement Award

**1999** AURA Science Award

**1990–1992** Fellowship, European Space Agency

**1987** Magna cum Laude, Laurea in Physics

### Scientific Interests

**1. Interstellar Dust.** Multi-Wavelength Studies of Dust Absorption and Emission in Galaxies. Radiative Transfer of Electromagnetic Radiation through Dust.

**2. Extragalactic Star Formation.** Multi-Wavelength Measurements, Physics, and Evolution of Extragalactic Star Formation. The Stellar Initial Mass Function. Environmental Dependencies of Star Formation.

### Large Team Activity

**1.** ‘Large UV Optical Infrared Surveyor’, Member of the NASA Science and Technology Definition Team, a proposed NASA flagship mission, 2016–2019

**2.** ‘Legacy ExtraGalactic UV Survey’ (LEGUS), Hubble Space Telescope Treasury Program GO-13364, 154 orbits, Principle Investigator, 55 international team members, \$ 1.2 Millions (~470 K to UMass), 2013–present.

• *The May 2018 LEGUS press-release was the third most-read STScI press release in 2018. Since 2014, LEGUS data have been used in 61 refereed papers, ~40% of which led by members of the astronomical community. Students and postdocs have led ~60% of the LEGUS-team-led papers.*

**3.** ‘Precision Studies of Galaxy Growth and Cosmology Enabled Through a Physical Model for Nebular Emission’, NASA Euclid Science Program, Co-I of a 2-member team, ~ \$ 2.85 Millions (~1.35M to UMass), 2013–2028

**4.** ‘Key Insights on Nearby Galaxies: A Far Infrared Survey’, Herschel Open Time Key Program, PI for the NASA component, and Deputy Science P.I. for the international science team, \$ 2.2 Millions (~400K to UMass), 2009–2012

**5.** ‘Star Formation in Nearby Galaxies’, Hubble Space Telescope WFC3 ERS, Cycle 17, GO-11360, Co-I, ~ \$ 1.9 Millions (~210K to UMass), 2009–2013

**6.** ‘The Local Volume Legacy’, NASA Spitzer Legacy Program, Cycle 4, 40204, Co-I, \$ 1.3 Millions, 2007–2014

**7.** ‘A Deep-Wide Far Infrared Survey of Cosmological Star Formation and AGN Activity’, NASA Spitzer Legacy Program, Cycle 3, 30143, Co-I, \$ 1.4 Millions, 2006–2012

**8.** ‘S-Cosmos: The MIPS Survey of the HST COSMOS 2-Degrees ACS Field’, NASA Spitzer Legacy Program, Cycle 3, 30948, Co-I, \$ 1.1 Millions, 2006–2012

**9.** ‘S-Cosmos: The Spitzer Deep Survey of the HST COSMOS 2-Degrees ACS Field’, NASA Spitzer Legacy Program, Cycle 2, 20070, Co-I, \$ 600,000, 2005–2011

**10.** ‘HORUS’, NASA Origins Science Mission Study, Co-I, 2004–2005

**11.** ‘Far-Infrared and Submillimeter Interferometer (SPECS)’, NASA Vision Mission Study, Co-I, 2004–2005

**12.** ‘The COSMOS-2 Degree ACS Survey’, HST Treasury Program, Cycles 12–13, Co-I, \$ 2.9 Millions, 2002–2010

**13.** ‘SINGS: the Spitzer Nearby Galaxy Survey’, Spitzer Legacy Science Program, Deputy-PI, \$ 3.9 Millions (~ 1M to STScI), 2001–2007

### **In-Class Teaching**

1. ASTRO 191A (First Year Seminar; Astronomy Majors), Fall 2007
2. ASTRO 100 (Stars and Galaxies; non-Majors), Fall 2008, 2009, 2010, 2011
3. ASTRO 100–Honors (Stars and Galaxies; non-Majors), Spring 2017
4. ASTRO 330 (Special Topics: Star Formation and Galaxies; Astronomy Majors), Fall 2012, 2017
5. ASTRO 444 (Undergraduate concurrent to ASTRO 644, for Majors), Fall 2016, Spring 2018
6. ASTRO 644 (Radiation Processes in Astrophysics; Graduate-Level Course), Spring 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2018, Fall 2016
7. ASTRO 296, 396, 496, 696 (Independent Study; multiple students), Fall 2007– present
8. ASTRO 899 (PhD Dissertation; multiple students), Fall 2007– present

### **Mentoring and Advising**

(Name, Place, Period, Current Position)

#### *Postdocs:*

1. Rosa A. Gonzalez (STScI, 1996–1999; co-supervised with Dr. Ron Allen; Universidad National Autonoma de Mexico)
2. Jason Harris (STScI, 2000–2003; private sector)
3. Martin Meyer (STScI, 2003–2006; co-supervised with Dr. Michael Regan; University of Western Australia)
4. Anne Pellerin (STScI, 2004–2006; SUNY–Geneseo, NY)
5. Benne Holwerda (STScI, 2005–2006; co-supervised with Dr. Ron Allen; University of Louisville, KY)
6. Mederic Boquien (UMass, 2007–2011; Universidad de Antofagasta, Chile)
7. Alison Crocker (UMass, 2009–2012; Reed College, OR)
8. Jennifer Andrews (UMass, 2011–2014; University of Arizona, AZ)
9. Anne Jaskot (Hubble Fellow; UMass, 2017–2019; Williams College)
10. Matteo Messa (UMass, 2019–present)
11. Christopher Faesi (NSF Fellow; UMass, 2019–present)
12. Sean Linden (UMass, 2020–present)

#### *Graduate students (PhD Thesis):*

0. 2012–2018: Graduate Program Director – Department of Astronomy, University of Massachusetts
1. 1993–1996. Maria Teresa Menna (co-supervisor with Remo Ruffini, University of Rome, Italy; private sector)
2. 1998–2003. Christina Tremonti (co-supervisor with Tim Heckman, JHU; University of Wisconsin – Madison WI)
3. 2007–2011. Sungryong Hong (Korea Inst. for Advanced Studies, S. Korea)
4. 2007–2011. Guilin Liu (University of Science and Technology of China, Hefei, China)
5. 2010 – 2013. Yiming Li (Software Engineer at Bloomberg LP)
6. 2013 – 2017. Andrew Battisti (Australian National University, Australia)
7. 2014 – 2018. Kathryn Grasha (Australian National University, Australia)
8. 2018 – 2019. Zesen Lin (visiting graduate student from University of Science and Technology of China, Hefei, China)

#### *Graduate students (pre-PhD Thesis Independent Research Projects):*

1. 2007–2008. First Year Graduate Student. Szu-Ying Wu

2. 2008–2009. First Year Graduate Student. Stacey Alberts
3. 2008–2010. Second Year Graduate Student. Yiming Li
4. 2011–2012. First Year Graduate Student. Kathryn Grasha
5. 2011–2013. Second Year Graduate Student. Allison Kirkpatrick
6. 2012–2013. First Year Graduate Student. Riway Pokhrel
6. 2013–2014. First Year Graduate Student. Mihwa Han
7. 2016–2018. Second Year Graduate Student. Alyssa Sokol
8. 2017–2018. First/Second Year Graduate Student. Bingqing Sun
9. 2018–present. First/Second Year Graduate Student. Dooseok Jung.
10. 2019–present. Second Year Graduate Student. Ben Gregg.

*Undergraduate students (Independent Research/Honors Theses):*

0. 2007–2011: UMass Astronomy Department Undergraduate Advisor (About 10 Astronomy Majors)
1. 2010, Sept. – 2011, May: Peter Panka (2011-2017: George Mason U. - graduate student; 2017-present: postdoctoral fellow, NASA GSFC)
2. 2012, Feb. – 2014, May: Marie Calapa (Honors Thesis, 2013 Goldwater Scholar, 2014 UMass 21st Century Leader; 2014–2017: Master in Astronomy: UC-Berkeley and Boston U.; now Observatory Manager at Bucknell University)
3. 2013, Jan. – 2014, May: Sean McElwee (Independent Research; now in the private sector)
4. 2015, Sept. –2016, Feb.; Alissa Roegge (Independent Research)
5. 2015, Sept. – 2016, May: Randall Rojas Bolivar (Honors Thesis, William F. Field Alumni Scholar, 2015; now graduate student at the University of Utah)
6. 2018 – present: Kate Mallory (Independent Research, Honors Thesis)
7. 2019 – present: Nadine Saab (Independent Research)
8. 2019 – present: Caitlin Moeller (Honors Thesis)

*Summer students:*

1. Aimee D’Onofrio (Undergraduate, STScI, 1997)
2. Kevin Covey (Undergraduate, STScI, 1999)
3. Kate Dellenbush (Undergraduate, STScI, 2001)
4. Wladimir Lyra (Undergraduate, STScI, 2002)
5. Amanda Dotson (Undergraduate, STScI, 2005)
6. Hui Dong, University of Massachusetts (Graduate, STScI, 2006)
7. Vera Gluscevic (Undergraduate, STScI, 2006)
8. Caitlin Moeller (Undergraduate, UMass, 2019)

**Service on Professional Committees/Councils**

- 1999, Member, STScI Institute Fellowship Selection Committee.  
 1999–2013, Member, WFC3 Science Oversight Committee (NASA).  
 1999, Member, SIRTF First Look Survey Committee (NASA/SSC).  
 2001–2004, May. Member, SIRTF Science User Panel (NASA/SSC).  
 2003–2005, Member, Institute Fellowship Selection Committee (STScI).  
 2006–2009, Member, NED (NASA Extragalactic Database) User Committee.  
 2006–2007, Member, Steering Committee on the Warm Spitzer Mission; led a White Paper with title: ‘The Warm Spitzer Mission for the Investigation of Nearby Galaxies’.  
 2007–2010, Member, AAS Pierce/Warner Prize Committee.

**2007–2012**, Member, Publication Committee for the Astronomical Society of the Pacific.  
**2007–2008**: Chair, INAF (Italian National Institute for Astrophysics) Visiting Committee for the Capodimonte Observatory (Italy).  
**2008–2009**, Member, Hubble Fellowship Selection Committee  
**2009–2010**, Member, SOFIA Science Council.  
**2009–2012**, Member, Virtual Astronomical Observatory (VAO) Science Council.  
**2011–2014**, Member, North American Science Advisory Committee for ALMA.  
**2013–2015**, Member (Chair in 2014) AAS Dannie Heineman Prize Committee.  
**2013–2016**, Member, NASA Cosmic Origins Program Analysis Group (COPAG) Executive Committee. Co-Chair of Study Report ‘Science Enabled by Spitzer Observations Prior to JWST Launch’ (SAG9).  
**2015–present**, Member and Deputy Chair (since Feb 2016), AURA Space Telescope Science Institute Council (STIC).  
**2016–present**, Member, NASA STDT for the LUVOIR Surveyor Mission Concept Study.  
**2017–2018**, Panel Chair, Hubble Fellowship Selection Committee.  
**2018**, Ad-Hoc Appointment Committee Member, Max Planck Society (Germany), Chemistry, Physics and Technology Section.  
**2019–present**, Chair, Science Panel on Galaxies, Astro2020 Decadal Survey.  
**2020–present**, Member, AAS Nominating Committee.

### Service on Professional Review Committees

**1993–present**, Regular referee for ApJ (both Main and Letters), AJ, A&A, MNRAS, Nature.  
**2007– present**, ad-hoc reviewer for the following national and international agencies: NASA, Canadian National Science and Engineering Research Council (NSERC), Israelian Science Foundation, Binational Science Foundation, European Research Council, Italian Space Agency, CINECA (Consorzio Interuniversitario, Italy), German Research Foundation, Gemini TAC.  
**1997, 2008, 2013**, Panel Member, *HST TAC*, Cycles 7N, 17, and 21 (NASA/STScI).  
**2002, 2009**, Panel Member, *NSF Astronomy Division*.  
**2003, 2004**, Panel Member, IDEA Grants (NASA/STScI).  
**2004**, Panel Member, *Chandra Cycle 6 TAC* (NASA/CXO).  
**2005**, Panel Member, HST/EPO Cycle 14 TAC (NASA/STScI).  
**2006**, Panel Deputy Chair, *Spitzer Cycle 3 TAC*, (NASA/SSC).  
**2008, 2011**, Panel Chair and TAC Member for Cycles 5 and 8, *Spitzer TAC*, (NASA/SSC).  
**2008–2010**, Panel Member, *HST Financial Review Committee*, (NASA/STScI).  
**2013**, External Reviewer for Faculty Search, *Turku University, Finland*, (Astronomy).  
**2014**, Panel Member, *Chandra Cycle 16 TAC*, (NASA/CXO).  
**2016–2017**, Panel Member, *ALMA Telescope Allocation Committee (TAC)*.  
**2017**, Panel Chair, *ALMA Telescope Allocation Committee (TAC)*.  
**2017**, Panel Member, *NASA Astrophysics Probes*, (NASA HQ).  
**2017**, Panel Member, *NASA Review* (NASA HQ).  
**2018**, Chair, *Spitzer Cycle 14 TAC*.  
**2019–present**, Panel Member, ERC Grants.

### Service on Science Organizing Committees

1. 1993, May - “Extragalactic Background Radiation”, STScI May Workshop, STScI, Baltimore, Maryland, USA, member of the Science Organizing Committee.
2. 1994, July - “Dust Survival in the Interstellar/Intergalactic Media”, Chair of the Science Orga-

nizing Committee, ISM miniworkshop, STScI, Baltimore, Maryland, USA.

3. 1993/1994 - Co-organizer (together with K. Roth) of the STScI ISM/IGM Journal Club.
4. 2003 - Member of the SOC for the SIRTf Extragalactic Workshop, August 7–8, 2003, Pasadena, California.
5. 2003 - Member of the SOC for the conference “The Interplay Among Black Holes, Stars, and ISM in Galactic Nuclei”, held in Gramado, Brasil, in March 2004.
6. 2003 - Member of the SOC for the STScI May 2004 Workshop “From Planets to Cosmology: Essential Science In Hubble’s Final Years”.
7. 2004–2005. Chair of the SOC/LOC for the STScI Mini–Workshop on “Galactic Flows: The Galaxy–IGM Ecosystem”, held at STScI March 7-9, 2005.
8. 2004–2005. Member of the SOC for the conference “The Fabulous Destiny of Galaxies: Bridging past and Present”, in Marseille, France, June 20-24, 2005.
9. 2005. Member of the SOC for the Spitzer Conference “IR Diagnostics of Galaxy Evolution”, held in Pasadena, CA, November 2005.
10. 2005–2006. Member of the SOC for the Ringberg Meeting “Dwarf Galaxies: an Astrophysical and Cosmological Probe”, Ringberg Castle, Germany, March 2006.
11. 2006. Member of the SOC for the Conference on “Astrophysics Enabled by the Return to the Moon”, STScI, Baltimore, Maryland, November 28-30, 2006.
12. 2006-2007. Member of the SOC for the Conference on ‘Formation and Evolution of Galaxy Disks’, Vatican City, October 1-5, 2007.
13. 2006-2007. Member of the SOC for the Conference on ‘Pathways Through an Eclectic Universe’, Tenerife (Spain), April 23-27, 2007.
14. 2006-2007. Member of the SOC for the Conference on ‘A Century of Cosmology: Past, Present, and Future’, Venice (Italy), August 27-31, 2007.
15. 2007. Member of the SOC for the Conference on ‘Formation and Evolution of Galaxy Disks’, Rome (Italy), October 1–5, 2007.
16. 2008. Member of the SOC for the Workshop on ‘The Future of Far–Infrared Space Astronomy: A Community Workshop’, Pasadena, CA, May 28–30, 2008.
17. 2006–2008. Member of the SOC for the Conference on ‘When the Universe Formed Stars’, held in La Martinique (France), November 2008.
18. 2008. Member of the SOC for the Conference on ‘The Legacy of Cold Spitzer’, held in Pasadena (CA), ~mid–2009.
19. 2008–2009. Member of the SOC for the Conference on ‘Starbursts and AGNs in Galaxies’, as part of the North American ALMA Science Center Conference Series, held in Charlottesville, Fall 2009.
20. 2009. Member of the SOC for the Conference on ‘Reionization to Exoplanets: Spitzer’s Growing Legacy’, held in Pasadena, CA, October 26-28, 2009.
21. 2009–2010. Member of the SOC for the Conference on ‘UP: Have Observations Revealed a Variable Upper End of the Initial Mass Function?’, held in Sedona, AZ, June 20-25, 2010.
22. 2014. Member of the SOC for the Workshop on ‘Bringing Fundamental Astrophysical Processes Into Focus: A Community Workshop to Plan the Future of Far-Infrared Space Astrophysics’, held at NASA Goddard Space Flight Center, Greenbelt, Maryland, May 12-13, 2014.
23. 2014. Member of the SOC for the Conference on ‘WideField InfraRed Surveys: Science and Techniques’, held in Pasadena, California, Nov 17-20, 2014.
24. 2014–2015. Member of the SOC for the Workshop on ‘Dissecting Galaxies Near and Far’, a ESO Workshop held in Santiago, Chile, March 23-27, 2015.
25. 2014-2015. Member of the SOC for the Conference ‘Exploring the Universe with JWST’, which was held in ESTEC, Noordwijk (The Netherlands), October 12-16, 2015.

26. 2014–2016. Member of the SOC for the IAU Symposium 321 on ‘Formation and evolution of galaxy outskirts’, held in Madrid, Spain, March 14-18, 2016.
27. 2015–2016. Member of the SOC for the conference JWST@ROE, held at the Royal Observatory, Edinburgh (UK), on July 4-8, 2016.
28. 2015–2016, Member of the SOC for the conference ‘How Galaxies Form Stars’, held in Stockholm, Sweden, on August 22-26, 2016.
29. 2016. Member of the SOC for the conference ‘The Universal Problem of the Non–Universal IMF’, held at the Lorentz Center, Leiden, The Netherlands, on December 5-9, 2016.
30. 2016-2017. Co-Chair of of the SOC for the conference ‘Linking Observations and Simulations across the Scales of Star Formation’, held in Sexten, Italy, July 10-14, 2017.
31. 2017-2018. Co-Chair of the SOC for the Conference ‘The Laws of Star Formation: from the Cosmic Dawn to the Present Universe (a conference in honour of Robert C. Kennicutt)’, held in Cambridge, UK, July 2-6, 2018.
32. 2017-2018. Member of the SOC for the Conference ‘The Physics of Galaxy Scaling Relations and Nature of Dark Matter’, held in Kingston, Canada, July 15-20, 2018.
33. 2018-2019. Member of the SOC for the Conference ‘Understanding the Nearby Star-forming Universe with JWST’, to be held in Courmayeur, Italy, August 26-30, 2019.
34. 2019-2020. Member of the SOC for the Workshop ‘Star-forming clumps and clustered starbursts across cosmic time’, to be held in Garching, Germany, October 5-30, 2020 (probably postponed because of the pandemic).

### **Service on Institutional/Internal Committees**

1. 1996. Member of the team (Allen, Calzetti, Leitherer, Panagia) that established the STScI Institute Fellowship via funding through Director Discretionary Research Funds
2. 1998 – 2001. Member of the Science Recruitment Committee (STScI).
3. 2002 – 2003. Member of the Science Personnel Committee (STScI).
4. 2002 – 2004. Member of the RSAC (STScI)
5. 2004 – 2005. Chair of the Science Recruitment Committee (STScI).
6. 2007–2008: Chair of the Astronomy Department Colloquium Series at the University of Massachusetts
7. 2007–2008: UMass Astronomy Department Personnel Committee, Member
8. 2007–2008: UMass Astronomy Department Graduate Admissions Committee, Member
9. 2007–2011: UMass Astronomy Department Undergraduate Advisor (Advisor for 10 Astronomy Majors)
10. 2008–2009: UMass Astronomy Department Faculty Search Committee, Member
11. 2008–2009: UMass Astronomy Department Merit Committee, Member
12. 2008–2009: UMass Astronomy Department Graduate Admissions Committee, Chair
13. 2009–2010: UMass Astronomy Department Graduate Admissions Committee, Chair
14. 2009–2012: UMass College of Natural Sciences, Personnel Committee, Member
15. 2010–2011: UMass Astronomy Department PhD Candidacy Committee, Member
16. 2010–2011: UMass Astronomy Department Personnel Committee, Member
17. 2010–2011: UMass Astronomy Department Graduate Admissions Committee, Member
18. 2011–2012: UMass Astronomy Department Faculty Search Committee, Member
19. 2011–2012: UMass Astronomy Department PhD Candidacy Committee, Member
20. 2013–2014: UMass Astronomy Department PhD Candidacy Committee, Member
21. 2012–2014: UMass Astronomy Department Graduate Admissions Committee, Member
22. 2012–2018: UMass Astronomy Department Graduate Program Director (on sabbatical leave)

during academic year 2014-2015)

29. 2015–2018: Conti Fellowship Selection Committee, CNS Member.
23. 2016–2017: Astronomy Department Personnel Committee, Chair.
24. 2017–2018: CNS Research Review Council, Member.
25. 2017–2018: Astronomy Department Personnel Committee, Member.
26. 2017–2018: Physics Department Gluckstern Distinguished Faculty Search Committee, Member.
27. 2018, May–June, AQAD 2018 Response Committee, Chair.
28. 2013–present, Chair, Summer Internship Selection Committee, Affiliates of the Massachusetts Space Grant Consortium.
30. 2017–present: Conti Fellowship Selection Committee, University Committee Member.
31. 2017–present: Astronomy Department Diversity Committee, Member.
32. 2019: Director, Five Colleges Summer Undergraduate Interns Program (9 students).

### **Thesis Committees (non–Chair)**

1. 1998. External Member of the PhD Thesis Committee for Mr. Jing Wang, Dept. of Physics and Astronomy, The Johns Hopkins University, Baltimore.
2. 1999. External Member of the PhD Thesis Committee for Ms. Rupali Chandar, Dept. of Physics and Astronomy, The Johns Hopkins University, Baltimore.
3. 2001. External Member of the PhD Thesis Committee for Mr. Eric B. Burgh, Dept. of Physics and Astronomy, The Johns Hopkins University, Baltimore.
4. 2005. External Member of the PhD Thesis Committee for Mr. Kevin France, Dept. of Physics and Astronomy, The Johns Hopkins University, Baltimore.
5. 2007. External Member of the PhD Thesis Committee for Mr. Benjamin Johnson, Dept. of Astronomy, Columbia University, New York.
6. 2007–2009. Member of the PhD Thesis Committee for Mr. Shikui Tang, Department of Astronomy, University of Massachusetts, Massachusetts.
7. 2007–2012. Member of the PhD Thesis Committee for Mr. Yicheng Guo, Department of Astronomy, University of Massachusetts, Massachusetts.
8. 2007–2011. Member of the PhD Thesis Committee for Mr. Hui Dong, Department of Astronomy, University of Massachusetts, Massachusetts.
9. 2008–2012. Member of the PhD Thesis Committee for Mr. Ilsang Yoon, Department of Astronomy, University of Massachusetts, Massachusetts.
10. 2010. External Member of the PhD Thesis Committee for Ms. Erin Mentuch, Department of Astronomy and Astrophysics, University of Toronto, Canada.
11. 2009–2012. External Member of the PhD Thesis Committee for Ms. Amanda Heiderman, Department of Astronomy, University of Texas at Austin, Texas.
12. 2012–2013. External Member of the PhD Thesis Committee for Mr. German Colon, Department of Physics, University of Massachusetts, Massachusetts.
13. 2013. Honorary External Member for the PhD Thesis Committee of Ms. Parisa Noorishad, Groningen University, Groningen, The Netherlands (Chair of Committee: Prof. Thijs van der Hulst).
14. 2012–2013. External Member of the PhD Thesis Committee for Ms. Jessica L. Cook, Department of Physics, University of Massachusetts, Massachusetts.
15. 2012–2014. Member of the PhD Thesis Committee for Ms. Stacey Alberts, Department of Astronomy, University of Massachusetts, Massachusetts.
16. 2012–2015. External Member of the PhD Thesis Committee for Mr. Satyanarayan Ray Pita-

- mbar Mohapatra, Department of Physics, University of Massachusetts, Massachusetts.
17. 2012–2015. External Member of the PhD Thesis Committee for Ms. Preema Pais Mohapatra, Department of Physics, University of Massachusetts, Massachusetts.
  18. 2012–2015. External Member of the PhD Thesis Committee for Mr. Rodrigo Herrera-Camus, Department of Astronomy, University of Maryland – College Park, Maryland.
  19. 2014–2015. External Member of the PhD Thesis Committee for Mr. Oded Spector, Department of Astronomy, Tel Aviv University, Israel.
  20. 2013–2016. Member of the PhD Thesis Committee for Ms. Bomee Lee, Department of Astronomy, University of Massachusetts, Massachusetts.
  21. 2013–2016. Member of the PhD Thesis Committee for Ms. Allison Kirkpatrick, Department of Astronomy, University of Massachusetts, Massachusetts.
  22. 2012–2019. Member of the PhD Thesis Committee for Mr. Zhon Butcher, Department of Astronomy, University of Massachusetts, Massachusetts.
  23. 2016–2019. Member of the PhD Thesis Committee for Mr. Seunghwan Lim, Department of Astronomy, University of Massachusetts, Massachusetts.
  24. 2019. External Member of the PhD Thesis Committee for Mr. Antonello Calabro, Astrophysics Division, CEA–Saclay, Paris, France (Chair of Committee: Dr. Emanuele Daddi).
  25. 2020. Member of the PhD Thesis Committee for Mr. Yong Du, Department of Physics, University of Massachusetts, Massachusetts.

### **Observational Experience**

1. Space–borne facilities: IUE, HST, ISO, FUSE, Spitzer, Herschel.
2. Ground–based facilities: NOAO (KPNO, Cerro Tololo, and Gemini), the Carnegie Observatory at Las Campanas, the Australian Telescope Compact Array, ALMA (remote).

### **Other Administrative/Mentoring Activities**

1. 1996–1997. Moderator for the Women Science Forum at the Space Telescope Science Institute. The Forum targets High-School Women Students to foster scientific education and awareness.
2. 1997–2006. Supervisor of a number ( $>7$ ) of Instrument and Science Data Analysts at the Space Telescope Science Institute.
3. 2000–2003. Lead for the NICMOS Instrument Group at the STScI, which included about 7–9 PhD astronomers (science support) and 3–5 Instrument Data Analysts (technical support).
4. 2003–2005. Formal mentor for Dr. Rachel Somerville (Max Planck). 2000–2005. Informal mentor for a number of postdocs and scientific staff at the Space Telescope Science Institute.
5. 2007–2011. Organizer, Women Astronomers Lunch – remained one of the co–organizers since. Goal is to mentor an under-represented group at the Dept. of Astronomy, University of Massachusetts.
6. 2008. Supervisor of High School Senior Lauren Masiunas (Holyoke Catholic School).
7. 2009–2012. Organizer of the Five Colleges Astro Women Meetings (an informal mentoring group of faculty, postdocs, graduate and undergraduate students).
8. 2012–2013. Founding Member of the UMass CNS Women Caucus.
9. 2018–2019. Graduate of the HERS Institute (Higher Education Leadership Development Program)

### **Professional Activity: Invited Talks, Reviews, Colloquia**

1. “The Observational Angular Two-Point Correlation Function at Different Magnitude Limits”,

- invited Colloquium at The Tartu Astrophysical Observatory, Toravere, Estonia, August 25, 1989.
2. “Dust in External Galaxies: UV–optical Extinction and Far–Infrared Emission”, invited Colloquium at NOAO & Steward Observatory, Tucson, AZ, April 20, 1994.
  3. “Dust Obscuration in Starburst Galaxies”, invited Colloquium at the University of Wisconsin, Madison, WI, November 29, 1994.
  4. “Dust Obscuration in Starburst Galaxies”, invited Colloquium at the University of Minnesota, Minneapolis, MN, December 2, 1994.
  5. “Dust in Starburst Galaxies: Insights from Ultraviolet and Near-Infrared Spectroscopy”, invited Colloquium at the Space Telescope Science Institute, Baltimore (MD), February 20, 1995.
  6. “Reddening Properties in Starburst Galaxies”, invited Colloquium at the University of Toledo, Toledo (OH), November 30, 1995.
  7. “UV Opacity in Nearby Galaxies and Application to Distant Galaxies”, invited talk at the conference: The Ultraviolet Universe at Low and High Redshifts: Probing the Progress of Galaxy Evolution, held at College Park, MD, May 2-4, 1997.
  8. “Dust and Star-Formation in UV-Bright Galaxies”, invited Colloquium at Caltech, CA, November 5, 1997.
  9. “Effects of Dust on Star Formation at High and Low Redshifts”, invited Review at the Aspen Winter Conference on Universal Star Formation, January 11-17, 1998.
  10. “Dust and Star-Formation in Star-Forming Galaxies”, invited Colloquium at Berkeley, CA, February 26, 1998.
  11. “Dust and Star-Formation in Star-Forming Galaxies”, invited Colloquium at IGPP, CA, February 27, 1998.
  12. “Dust in Star-Forming Galaxies”, invited Review at the XXXIIIrd Recontres de Moriond on Dwarf Galaxies and Cosmology, March 14-21, 1998.
  13. “The Cosmic Evolution of Dust Opacity in Galaxies”, invited Colloquium at the Louisiana State University, Baton Rouge, LA, August XX, 1998.
  14. “Dust and UV Emission of High Redshift Objects”, invited Talk at the Ringberg Meeting on Ultraluminous Galaxies: Monsters or Babies, September 20-26, 1998.
  15. “The Cosmic Evolution of Dust Opacity in Galaxies”, invited Seminar at the National Optical Astronomy Observatories, Tucson, AZ, October 23, 1998.
  16. “The Cosmic Evolution of the Stellar and Dust Content of Galaxies: the Intrinsic Star Formation History of the Universe”, invited Seminar at the Dept. of Physics, University of Pennsylvania, Philadelphia, PA, December 7, 1998.
  17. “Where is All the Star Formation?”, invited Colloquium at the Dept. of Astronomy, University of Wisconsin, Madison, WI, March 2, 1999.
  18. “Properties of High-Redshift Galaxies”, invited Review at the XXXIVth Recontres de Moriond on Building Galaxies: from the Primordial Universe to the Present, March 13-20, 1999.
  19. “NGC5253: The Starburst Benchmark”, invited Colloquium at the Dept. of Astronomy, University of Virginia, Charlottesville, VA, April 20, 1999.
  20. “The Cosmological Evolution of the Star, Gas, and Dust Content of Galaxies”, invited Talk at the Coral Sea Cosmology Conference on Redshift Surveys and Cosmology, Dunk Island (Australia), August 24-28, 1999.
  21. “The Evolution of the Dust Content of the Universe: A Window on the Gas and Star Content of Galaxies”, invited Colloquium at the Dept. of Physics and Astronomy, University of British Columbia, Vancouver (BC, Canada), September 27, 1999.
  22. “The Evolution of the Dust Content of the Universe: A Window on the Gas and Star Content of Galaxies”, invited Colloquium at the Dominion Astrophysical Observatory, Victoria (BC, Canada), September 28, 1999.

23. “The Evolution of the Dust Content of the Universe: A Window on the Gas and Star Content of Galaxies”, invited Colloquium at the Dept. of Astronomy, University of Washington, Seattle (WA), September 30, 1999.
24. “The Evolution of the ISM around Massive Stellar Clusters”, invited Talk at the Strasbourg Conference on Massive Stellar Clusters, Strasbourg (France), November 8-10, 1999.
25. “The Effects of Dust on the SEDs of Star-Forming Galaxies”, invited Lecture at the Workshop on The FIR and Sub-mm SEDs of Active and Starburst Galaxies, Groningen (The Netherlands), April 27-29, 2000.
26. Invitation to Chair the Session ‘Galaxies at High Redshift’ at the Conference on The Evolution of Galaxies: I. Observational Clues, Granada (Spain), May 23-27, 2000.
27. “Star Formation in the Near and Distant Universe”, Colloquium at the Space Telescope Science Institute, October 25th, 2000.
28. “The Dust Content and Opacity of Actively Star-Forming Galaxies”, invited Seminar at the European Southern Observatory in Garching (Germany), November 14, 2000.
29. “Star Formation in the Near and Distant Universe”, invited talk at the Aspen Winter Conference, Aspen (CO), Jan 28-Feb 3, 2001.
30. “Dust in the Distant Universe”, invited contribution at the Jan Oort Meeting On Galaxy Formation, Leiden (The Netherlands), May 9-11, 2001.
31. “The Impact of Dust on Measures of Star Formation”, invited talk at the 198th AAS Meeting, Pasadena (CA), June 6, 2001.
32. “Dust”, invited talk at The Dynamics, Structure and History of Galaxies, a Workshop in honour of the 60th birthday of Prof. Ken Freeman, Dunk Island (Australia), July 29-August 2, 2001.
33. “Star Formation Histories of Local Starbursts”, Colloquium at the University of Massachusetts at Amherst (MA), September 27, 2001.
34. “Dust Opacity of Star-Forming Galaxies”, Invited Seminar at Princeton University, October 12, 2001.
35. “Dust Opacity of Star-Forming Galaxies”, Colloquium at the Astronomical Observatory of Rome (Monte Porzio, Italy), October 30, 2001.
36. “Star Formation Histories of Local Starbursts”, Colloquium at the University of New York at Stony Brook (NY), December 5, 2001.
37. “Star Formation and Starburst Galaxies in the Infrared”, invited talk at the 199th AAS, Washington (DC), January 9, 2002.
38. “The Impact of Dust in the Low and High Redshift Universe”, Colloquium at the University of Massachusetts at Amherst (MA), February 28, 2002.
39. “Star Formation in Local Galaxies from the UV to the Far-IR”, invited review at the Second Workshop on New Concepts for Far-IR and Submillimeter Space Astronomy, College Park (MD), March 7-8, 2002.
40. “Dust in Galaxies”, invited talk at the Workshop on Black Holes, Gravitational Waves, and Cosmology, Rome (Italy), July 15-20, 2002.
41. “The Physical Conditions of Ionized Gas at the Edges of Starburst Regions”, talk at the Lowell Observatory Workshop on ‘The Outer Edges of DIIr Galaxies’, Flagstaff (AZ), Oct 10-11, 2002.
42. “Stars, Gas and Dust in the Universe”, invited review at the 201st AAS Meeting, Seattle (WA), Jan 5-9, 2003.
43. “Dust in the Universe”, talk at the Aspen Winter Meeting on The Baryonic Universe, Aspen (CO), Jan 12-18, 2003.
44. “Do We Have A Recipe for Star Formation?”, Colloquium at the Center for Astrophysics, Harvard, Cambridge (MA), February 27, 2003.

45. “Do We Have A Recipe for Star Formation?”, Colloquium at the University of California at Davis, Davis (CA), March 3, 2003.
46. “Do We Have A Recipe for Star Formation?”, Series of three Colloquia at DAO, University of British Columbia, and University of Victoria (BC, Canada), March 31–April 3, 2003.
47. “Large- and Small-Scale Feedback in the Starburst Centers of Galaxies”, Invited talk at the IAU Symposium 222, The Interplay among Black Holes, Stars and ISM in Galactic Nuclei, Gramado (Brazil), March 1–5, 2004.
48. “Star Formation and Feedback in Local Galaxies”, Invited oral contribution at the Summer 2004 Aspen School on ‘Star Formation in Galaxies’, Aspen (CO), June/July 2004.
49. “Starbursts: Perspectives from the Optical”, Invited talk at the Conference ‘Starbursts – From 30 Doradus to Lyman Break Galaxies’ Cambridge (UK), September 2004.
50. “UV to X-ray Properties of Local Star-Forming Galaxies”, Invited talk at the Ringberg Meeting (Ringberg Castle, Germany), October–November 2004.
51. “Dust in Galaxies: a.k.a. How to Ruin the Interpretation of Perfectly Good Data”, Invited Talk at the Conference on Galaxy Populations: A Rosetta Stone for Galaxy Formation, Ringberg Castle, Germany, July 3–9, 2005.
52. “Local Star Formation as Seen by Spitzer”, Invited Talk at the Conference in Nearly Normal Galaxies in a  $\Lambda$ CDM Universe, Santa Cruz, CA, August 8–12, 2005.
53. “The Panchromatic View of Star Formation”, Invited Colloquium at the University of Massachusetts, February 21st, 2006.
54. “The Panchromatic View of Star Formation”, Invited Colloquium at Rutgers University, March 3rd, 2006.
55. “Feedback from Star Formation in Dwarfs and Massive Galaxies”, Invited Talk at the Conference on Dwarf Galaxies as Astrophysical and Cosmological Probes, Ringberg Castle, Germany, March 12–17, 2006.
56. “Star Formation in the Infrared: The View from Spitzer”, Invited Talk at the Conference on Galaxies and Structures Through Cosmic Times, Venice, Italy, March 26–30, 2006.
57. “The Panchromatic View of Star Formation”, Invited Colloquium at the University of California at Riverside, May 11th, 2006.
58. “Star Formation in Local Galaxies: What Are we Learning from HST and Spitzer and What Will we Learn from Future Facilities”, Invited Talk at the Minisymposium on Star Formation from Galactic to Cosmological Scales, MPIA, Heidelberg, Germany, July 10th, 2006.
59. ‘Star Formation and the Schmidt Law in the Local Universe from Spitzer’, Joint Steward/NOAO Colloquium (Tucson, AZ), Nov 9th, 2006.
60. ‘The Schmidt Law in the Local Universe’, Invited Talk at the UCSD Workshop on the Schmidt–Kennicutt Law, Dec 18–19, 2006

*Beginning in 2007, invited colloquia and talks/reviews are grouped, in the interest of brevity.*

61. 2007 Colloquia: University of Chicago (March 28, 2008), Virginia University (April 02, 2007), Caltech (April 10, 2007), Michigan State University (October 10, 2007), Yale (Nov 6th, 2007), MIT (November 20, 2007), Boston University (November 27, 2007).
62. ‘Star Formation Rate Measures in the Mid-Infrared’ and ‘Spitzer and Star Formation in Extreme Environments’, two March 2007 talks, while a Distinguished Visitor at the Spitzer Science Center.
63. ‘Star Formation Rate Determinations’, Invited talk at the Conference Pathways through an Eclectic Universe, Tenerife (Spain), April 23–27, 2007.
64. ‘Measuring Star Formation in Local and Distant Galaxies’, Invited Talk at the Conference A

Century of COsmology, Venice (Italy), August 26-31, 2007.

**65.** ‘Panchromatic Data and Star Formation in Nearby Galaxies’, Invited Talk at the Conference Gas Accretion and Star Formation in Galaxies, Garching (Germany), Sept 10-14, 2007.

**66.** ‘Star Formation Rate Determinations’, Invited Review at the December 2007 Spitzer Conference ‘The Evolving ISM in the Milky Way and Nearby Galaxies’, Pasadena (CA), Dec 3-5, 2007.

**67.** ‘Nearby Galaxies’, invited talk at the Workshop ‘Far–Infrared Astronomy from Space: A Community Workshop about the Future’, Pasadena (CA), May 28-30, 2008.

**68.** ‘Dust in External Galaxies’, Invited Review at the Conference ‘Cosmic Dust, Near and Far - 2008’, Heidelberg, Germany, September 8–12, 2008.

**69.** ‘Scaling Relations for Star Formation on Galaxy Scales’, invited Talk at the workshop ‘Transformational Science with ALMA: The Birth and Feedback of Massive Stars, within and beyond the Milky Way’, Charlottesville (VA), Sept 25-27, 2008.

**70.** 2008 Colloquia: NorthWestern University (April 15, 2008), University of Maryland College Park (April 30, 2008), Wesleyan University (October 22, 2008), University of British Columbia (November 24, 2008), Dominion Astrophysical Observatory (November 25, 2008), University of Colorado (December 8, 2008).

**71.** 2009 Colloquia: University of Toledo (January 29, 2009), Rochester Institute of Technology (April 6, 2009), University of Arizona (April 15, 2009), SUNY at Stony Brook (May 18, 2009).

**72.** 2009 Invited Speaker at the following conferences: SFR[at]50: Filling the Cosmos with Stars (Abbazia di Spineto, Italy, July 6-10, 2009); Reionization to Exoplanets: Spitzer’s Growing Legacy (Pasadena, October 26-28, 2009).

**73.** 2010 Colloquia: Ohio State University (February 25, 2010), Cornell University (March 4, 2010), University of Toronto (September 17, 2010), Carnegie Observatories (October 5, 2010), St. Mary’s University, NS, Canada (October 15, 2010), Goddard Space Flight Center (November 16, 2010).

**74.** 2010 Invited Speaker at following conferences: From Stars to Galaxies (Gainesville, Florida, April 7-10, 2010); ESLAB2010, Herschel First Science Results (Noordwijk, The Netherlands, May 3-7, 2010); PAHs and the Universe (Toulouse, France, June 1-4, 2010); UP2010, the Upper End of the Stellar IMF (Sedona, Arizona, June 20-25, 2010); Extragalactic Star Formation, UCL Astrophysics Colloquium (Cumberland Lodge, England, July 5-8, 2010); Molecules in Galaxies (Oxford, England, July 26-30, 2010).

**75.** 2010 Invitations to Conferences: an additional 5 invitations to conferences during the period May-November 2010 were declined due to schedule conflicts.

**76.** 2011 Colloquia: McGill University, Montreal, Canada (February 2011); Harvard/Cfa (October 2011); Penn State University (October 2011); NRAO/University of Virginia (December 2011).

**77.** 2011 Winter School: IAC/Canary Islands XXIIIrd Winter School – four 1.5 hrs lectures plus evening public lecture (November 2011).

**78.** 2011 Invited Speaker at following Conferences: Understanding the Universe at  $z=1-3$  (Aspen, Colorado, March 2011); Frontier Science Opportunities with the JWST (Baltimore, Maryland, June 2011); Star Formation in Galaxies: The Herschel Era (Ringberg Castle, Germany, June 2011).

**79.** 2011 Invitations to Conferences: an additional 3 invitations to conferences during the period June-December 2011 were declined due to schedule conflicts.

**80.** 2012 Colloquia: UCLA, Los Angeles (January 2012); PMO, Nanjing University, Nanjing, China (June 2012); Arcetri Observatory, Arcetri, Italy (October 2012); Queen’s University, Kingston, Canada (November 2012).

**81.** 2012 Invited Speaker at following Conferences: Ecosystems of Galaxies (Hefei, China, May–June 2012); Gas, Stars and Black Holes in the Galaxy Ecosystem (Leiden, The Netherlands, July 2012); 30 Doradus – The Starburst Next Door (Baltimore, Maryland, September 2012).

**82.** 2012 Invitations to Conferences: an additional 3 invitations to conferences during the period

January-December 2012 were declined due to schedule conflicts.

**83.** 2013 Invited Speaker/Reviewer at following Conferences/Workshops: AAS Special Session on JWST (Long Beach, California, January 2013); Magellanic Cloud Star Formation (Leiden, The Netherlands, February 2013); Feeding, Feedback, and Fireworks: Celebrating Our Cosmic Landscape (Southern Cross Conference, Hamilton Island, Australia, June 2013); Galaxies and Cosmology, NOVA Network 1 Meeting (Groningen, The Netherlands, August 2013); The Universe Explored by Herschel (Estec, Noordwijk, The Netherlands, October 2013).

**84.** 2013 Colloquia: University of Maryland (April 2013), University of Groningen (September 2013), University of Massachusetts (September 2013), University of Leiden (October 2013).

**85.** 2014 Colloquia: Columbia University (February 2014), Caltech (April 2014), Yale University (April 2014), University of Hertfordshire (October 2014), University of Liverpool (October 2014), Institute of Astronomy, Cambridge (November 2014).

**86.** 2014 Invited Speaker/Reviewer at following Conferences/Workshops: AAS Special Session on the Herschel Space Observatory (Washington, DC, January 2014); Science with HST: IV (Lincoln Academy, Rome, Italy, March 2014); EWASS2014 (Geneva, Switzerland, July 2014); IAUS309 - Galaxies in 3D (Vienna, Austria, July 2014); Understanding Galaxies through their Spectral Energy Distribution: a Royal Astronomical Society Specialist Discussion (London, UK, October 2014); Star Formation Across Space and Time (ESTEC, Noordwijk, The Netherlands, November 2014).

**87.** 2015 Colloquia: Boston University (Feb. 23, 2015); Mount Stromlo Observatory (Australia, March 12, 2015); Australian Astronomical Observatory (Australia, June 4th, 2015); Goddard Space Flight Center, Greenbelt, MD (October 2015); University of Michigan, Ann Arbor, MI (October 2015); University of Massachusetts, Amherst, MA (November 2015); Tufts University, Medford, MA (November 2015).

**88.** 2015 Invited Speaker/Reviewer at following Conferences/Workshops: Hubble 2020: Building on 25 Years of Discovery, Baltimore, MD, (April 2015).

**89.** 2016 Colloquia: Stockholm University, Stockholm (Sweden, March 2016); University of Durham, Durham (England, May 2016); University of Bologna, Bologna (Italy, May 2016); Uppsala University, Uppsala (Sweden, May 2016). NASA AMES, CA (October 2016).

**90.** 2016 Invited Speaker/Reviewer at following Conferences/Workshops: Surveys for All, Lund (Sweden, February 2016); The Role of Feedback in Star Cluster Formation, Evolution, and Interactions with the Host Galaxy, Sesto (Italy, July 2016); How Galaxies Form Stars, Stockholm (Sweden, August 2016).

**91.** 2017 Colloquia: Case Western University (Cleveland, OH, April 2017).

**92.** 2017 Invited Speaker/Reviewer at following Conferences/Workshops: AAS Special Sessions on UV Astronomy and the LMT (Grapevine, TX, January 2017); The Physics of the ISM - 6 Years of ISM-SPP 1573 (Cologne, Germany, February 2017); Lifecycles of Metals Throughout the Universe (STScI Spring Symposium, Baltimore, MD, April 2017); Modes of Star Formation: A Meeting in Honor of Jay Gallagher (Aspen Center for Physics, Aspen, CO, September 2017); Plumbing Star Formation Rates in the Age of JWST: Workshop (Texas A&M University, TX, November 2017).

**93.** 2018 Colloquia: Texas A&M (College Station, TX, November 2017); Arizona State University (Tempe, AZ, March 2018); MIT Haystack Observatory (Westford, MA, September 2018).

**94.** 2018 Invited Speaker/Reviewer at following Conferences/Workshops: AAS Special Session on Science Enabled by the HST-UV Initiative (Washington, DC, January 2018); The Multi-Scale Physics of Star Formation and Feedback during Galaxy Formation (Heidelberg, Germany, June 2018); The Physics of Galaxy Scaling Relations and the Nature of Dark Matter (Kingston, Canada, July 2018); SM1 Celebration at STScI (Baltimore, MD, December 2018).

**95.** 2019 Colloquia: CfA/Harvard (colloquium+2 seminars, Cambridge, MA, January 2019); CEA (Saclay, France, September 2019).

**96.** 2019 Invited Speaker/Reviewer at following Conferences/Workshops: ISSI Workshop on Star Formation (Bern, Switzerland, May 2019); Radio/Millimeter Astrophysical Frontiers in the Next Decade (Charlottesville, VA, June 2019).

**Professional Activity: Lecture Series**

- 1.** ‘Secular Evolution of Galaxies’, XXIII Canary Island Winter School of Astrophysics – Canary Islands, Spain (November 2011). Four Lectures, for graduate students.
- 2.** Blaauw Lecture Series – Kapteyn Observatory, University of Groningen, Groningen, The Netherlands (May–September 2013). Four Lectures, for graduate students and postdocs.
- 3.** Tage Erlander Upper-Level Graduate Course – University of Stockholm, Stockholm, Sweden (February–June 2016). Eight Lectures, for senior graduate students.

**Public Activity/Divulgative Lectures**

- 1.** Open Night Talk on “Light from the Depths of Space”, June, 1993. A divulgative lecture on cosmology for the general public, organized by the Space Telescope Science Institute.
- 2.** Evening Lecture at the NASM Planetarium on “Highlights from the Hubble”, August, 1996. A divulgative lecture for the general public, organized by the National Air & Space Museum.
- 3.** “Galaxies at Low and High redshift”, at the Space Telescope Science Institute, as part of the Seminar Series for the Summer Students Program, July 16, 1997.
- 4.** Lecture on “Starbursts!!!”, at STScI for the Series ‘Popular Talks for Everyone at the Institute’, November, 1998. A divulgative lecture as part of a series organized at the Space Telescope Science Institute.
- 5.** “NICMOS: A Unique Instrument on the Hubble Space Telescope”, Space Telescope Science Institute, May 1999, brief Lecture for the NASA Headquarter Comptroller.
- 6.** Lecture on “Starbursts?”, at the Space Telescope Science Institute, July 6, 1999. A divulgative lecture for the High-School Teachers program (organized by the STScI Office of Public Outreach).
- 7.** “Stars and Dust, a.k.a. The Evolution of Galaxies”, at the Space Telescope Science Institute, as part of the Seminar Series for the Summer Students Program, July 13, 1999.
- 8.** “NICMOS: A Unique Instrument on the Hubble Space Telescope”, Space Telescope Science Institute, August 11, 1999, brief Lecture for NASA Headquarter Managers.
- 9.** Open Night Talk on “Starbursts! A.K.A. How Galaxies Came to Look the Way They Do Today”, October, 1999. A divulgative lecture on galaxy evolution for the general public, organized by the Space Telescope Science Institute.
- 10.** “Star Formation in Galaxies”, at the Space Telescope Science Institute, as part of the Seminar Series for the Summer Students Program, August 16th, 2000.
- 11.** “NICMOS: A Unique Instrument on the Hubble Space Telescope”, Space Telescope Science Institute, April 16th, 2001, brief presentation to the HST Servicing Mission astronauts.
- 12.** “The Revived NICMOS on HST”, Press Conference at the 200th AAS, Albuquerque (NM), June 6th, 2002.
- 13.** Lecture on “An Infrared View of Galaxies”, at STScI for the Series ‘Popular Talks for Everyone at the Institute’, February, 2004. A divulgative lecture as part of a series organized at the Space Telescope Science Institute.
- 14.** “The Beauty of Galaxies in Multiple Colors”, seminar at the Dept. of Physics, Loyola College, Feb 14th, 2006.
- 15.** “Why Are We Still Studying Star Formation?”, seminar for the Undergraduate Students, Dept. of Physics and Astronomy, Rutgers University, March 2nd, 2006.
- 16.** “Star Formation in Galaxies”, Summer Talks for the REU Undergraduates, Astronomy Dept.,

UMASS, 2007, 2008, 2010, 2011, 2012.

**17.** “The Universe Around Us”, divulgative lecture for the Lee Elementary School (underserved school), Massachusetts (December 2010).

**18.** “The Universe Around Us”, divulgative lecture for the Amherst Elementary School (6th grade), Massachusetts (October 2011).

**19.** “Astronomy from Space: 20 Years of Discoveries”, Evening Public Lecture at the Canary Islands Science Museum (November 2011).

**20.** “Astronomers in the Renaissance”, UMass Renaissance Center (April 2012).

**21.** “The Universe from Space”, 2013 Blaauiw Public Lecture, Groningen, The Netherlands (October 2013).

**22.** “The Universe from Space”, Astronomical Society of New South Wales, Sydney, Australia (May 2015).

**23.** “The Universe from Space”, The Tage Erlander Public Lecture, Oskar Klein Center, Stockholm University, Sweden (June 2016).

**24.** “The Frontier from Space”, Public Lecture, Cleveland Museum of Natural History, Cleveland, OH (April 2017).

**25.** “The Next Frontier for NASA” , Summer Talks for the REU Undergraduates (Astronomy Dept., UMass, June 2017).

**26.** “Star Formation in Nearby Galaxies - Perspectives from the UV”, Hyperwall Presentation at the AAS Winter Meeting (Washington, DC, January 2018).

**27.** “The Next NASA Large Mission” , Summer Talks for the REU Undergraduates (Astronomy Dept., UMass, May 2018).

**28.** “How to Measure Star Formation”, Summer Talks for the REU Undergraduates (Astronomy Dept., UMass, June 2019).