

**Curriculum Vitae**  
**James D. Lowenthal**  
Updated January 2021

Department of Astronomy  
Smith College  
(413) 585-6995

181 Crescent St.  
Northampton, MA 01060  
(413) 586-4088

**EDUCATION**

**University of Arizona**, Tucson, AZ  
PhD in Astronomy: "Line Emission from Galaxies at High Redshift" 1991  
Advisor: Prof. Craig Hogan

**Yale College**, New Haven, CT  
BS in Astronomy & Physics 1986

**AWARDS AND HONORS**

Smith College Sherrerd Teaching Award, 2020  
Vice President, American Astronomical Society, 2016-2019  
Lilly Teaching Fellowship, UMass Amherst, 1999 - 2000  
Hubble Postdoctoral Fellowship, UCO/Lick Observatory, 1993 - 1996  
NASA Graduate Student Research Program Fellowship, UofAz, 1988-1991

**EMPLOYMENT**

2019 - present: **Mary Elizabeth Moses Professor** of Astronomy, Smith College  
2012 - 2019: **Professor**, Department of Astronomy, Smith College  
2005 - 2012: **Associate Professor**, Department of Astronomy, Smith College  
2002 - 2005: **Assistant Professor**, Department of Astronomy, Smith College  
1997 - 2002: **Assistant Professor**, Department of Astronomy, UMass Amherst  
1996 - 1997: **Postdoctoral Researcher**, UCO/Lick Observatory  
1993 - 1996: **Hubble Fellow**, UCO/Lick Observatory  
1991 - 1993: **Postdoctoral Researcher**, Space Telescope Science Institute and  
Department of Physics and Astronomy, Johns Hopkins University

**PRIMARY RESEARCH INTERESTS**

High-redshift galaxies	Galaxy formation and evolution
QSO absorption line systems	Starburst galaxies
Exoplanets	Submillimeter and radio galaxies

**GRANTS AWARDED 1997-2020**

NSF, Improving Undergraduate STEM Education 2016-2019 (CoI)  
NASA Hubble Space Telescope, PI: Cycles 6, 7, 8, 9, 23 ; CoI: Cycles 9, 11

NASA Spitzer Space Telescope, Cycle 3 (PI)  
NSF, Extragalactic and Cosmology 2002-2005 (PI)  
NSF, UC-MEXUS-CONACYT (CoI)

## **PUBLICATIONS**

54 refereed publications as of January 2021  
Total of 3768 citations  
1 book  
1 conference proceeding edited

## **NATIONAL AND INTERNATIONAL SERVICE 2000-2020**

2020: SOC member and BioEnvironment Working Group Chair, Dark & Quiet Skies conference and report to United Nations Committee on Peaceful Uses of Outer Space  
2020: SOC member, SATCON1 workshop and report to National Science Foundation  
2018 - : Vice-President, International Astronomical Union Commission C.B7 on Protection of Existing and Potential Observatory Sites  
2016 - 2019: Vice President, American Astronomical Society  
2015 - : AAS Committee on Light Pollution, Radio Interference, and Space Debris  
2010 - 2015, 2017 - (Chair, 2010-2012, 2014-2017): Founding Member, AAS Committee on Sustainability  
2016: Hubble Space Telescope Cycle 24 Review Panel  
2013 - 2014: Panelist and Chair, NASA/Keck Time Allocation Committee  
2012: Hubble Space Telescope Cycle 20 Review Panel  
2012 - 2016: AAS Committee on Astronomy and Public Policy (CAPP)  
2014 - 2015: CAPP/AAAC task force on NSF/NASA/DOE grant success rates  
2012 - 2015: NASA Cosmic Origins Program Advisory Group ExComm (COPAG)  
2009 - 2012: American Astronomical Society Council  
2011: Hubble Space Telescope Cycle 19 Review Panel  
2009: "Future of NOAO" Advisory Panel, 2010 NRC Decadal Survey White Paper  
2006 - 2009 : Chair, National Optical Astronomy Observatory Users Committee  
2006: NASA/Spitzer Space Telescope Review Panel  
2004: NASA/Spitzer Space Telescope Review Panel  
2004: National Science Foundation Review Panel  
2002: NASA/SIRTF Fellow Review Panel  
1999 - 2001: National Optical Astronomy Observatory Time Allocation Committee

## **SMITH COLLEGE AND FCAD SERVICE**

Chair, Faculty Council	Amherst + UMass Amherst fac. search cte's.
Chair, Committee on Sustainability	Committee on Academic Priorities
Chair, Astronomy Department	Campus Planning Committee
LMT Science Committee	Committee on Mission and Priorities
FCAD Senate	Advisory Council on Resource Allocation (ACRA)
Science Planning Committee	Five College Fellows Committee
Tenure & Promotion Committee	Writing and Public Discourse Committee

**PhD THESES SUPERVISED:** Yuxi Chen (PhD 2012), Nicolas Bouché (PhD 2003)

**COMMITTEE MEMBER for:** Patrick Kamieneski, Joe Burchett (PhD 2017),  
Daisuke Iono (PhD 2004), Jessica Rosenberg (2000)

**UNDERGRADUATE SPECIAL STUDIES, AEMES, STRIDE, and SURF STUDENTS SUPERVISED:** Olivia Cooper '20, Annie Peck '20, Allison Erena '19, Jennifer Kahn '19, Rebekah Kahn '19, Rachel O'Connor '18, Jocelin Ramirez '18, Eleanor Adachi '17, Beth Capiro '16, Emily Kaplan '16, Tia Alliy '15, Isabel Lippartito '15, Eva Lubeck-Shricker '15, Joselyn Quintanilla '15, Katie Lipow '15, Roseanne Hui '15, Audra Macie '14, Kimberly Finn, MHC '14, Rouwenna Lamm '08, Cara Dodge '07, Marisa Robinson '08, Bryan Lyons (Amherst) '05, Nick Durham (HC) '03