

LUCAS M. MACRI

Department of Physics & Astronomy
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Research interests: Distance Scale: Cepheids, Miras, detached eclipsing binaries, SNe Ia — Massive time-series photometry: stellar variability & exoplanet searches — Transients: LIGO EM counterparts — Large-scale structure and flows: redshift and peculiar velocity surveys

EDUCATION AND POSITIONS HELD

TEXAS A&M UNIVERSITY, College Station, TX
College of Science

Associate Dean for Undergraduate Programs Jan 2017-continuing

Department of Physics & Astronomy

Associate Professor (with tenure) Sep 2013-continuing

Assistant Professor Jun 2008-Aug 2013

NATIONAL OPTICAL ASTRONOMY OBSERVATORY, Tucson, AZ

Hubble & Goldberg Post-doctoral Fellow Sep 2002-May 2008

HARVARD-SMITHSONIAN CENTER FOR ASTROPHYSICS, Cambridge, MA

Smithsonian Visiting Scholar Oct 2001-Aug 2002

Ph.D. in Astronomy (Thesis Advisor: Prof. John Huchra) Jun 1995-Sep 2001

MASSACHUSETTS INSTITUTE OF TECHNOLOGY, Cambridge, MA

B.S. in Physics Sep 1991-May 1995

AWARDS

JOHNS HOPKINS UNIVERSITY, Baltimore, MD

Bearden Visiting Professor Mar-Dec 2016

TEXAS A&M UNIVERSITY, College Station, TX

Distinguished Achievement in Teaching Award Fall 2014

Mitchell-Heep-Munnerlyn Endowed Chair for tenure-track faculty Sep 2010-Aug 2013

RESEARCH ACTIVITIES

- 17 competitive federal research grants for \$3.9M (\$0.9M to A&M) from 2008-2016
- 86 peer-reviewed publications and 9,100+ citations; h-index=39 (Oct 2016, NASA ADS)
- 90 oral presentations (colloquia, seminars, conferences and workshops)
- 39 education and public outreach talks
- 45 poster presentations at conferences (including those by members of my team)

• MENTORING AND TEACHING

TEXAS A&M UNIVERSITY, College Station, TX

2008-continuing

- Research advisor:

- Post-doctoral: Dr. Samantha Hoffmann (2013-2016), Dr. Anne Pellerin (2008-2012)
- Graduate: Joy Chavez (2011 MS), Samantha Hoffmann (2010 MS, '13 PhD), Ryan Oelkers (2014 MS, '16 PhD), Mike Smitka, Wenlong Yuan (2016 MS, '17 PhD), Lingzhi Wang (2012 PhD)
- Undergraduate: A. Bradshaw (2009 BS Thesis), T. Konchady (2015 REU), S. Mahzooni (2010 BS Thesis), K. Bean (summer 2009), K. Stringer (2014 REU), S. Villanueva (summer 2010)

- Courses taught:

- ASTR101 "Basic Astronomy": 13 semesters. Cumulative enrollment: 1574
- ASTR603 "Stellar Astrophysics": 3 semesters. Cumulative enrollment: 27

NATIONAL OPTICAL ASTRONOMY OBSERVATORY, Tucson, AZ

2004-2007

- Advisor in NSF REU program: L. Laursen (Harvard), F. Munshi (Berkeley), C. Smith (Indiana)

OUTREACH AND SERVICE

- OUTREACH ACTIVITIES:

- Texas A&M Physics Festival (2009-cont.): carry out Physics demonstration
- Texas A&M star parties (2009-cont.): help during public observing sessions
- NASA/STScI-funded Astronomy K-12 teacher training & public talks in Laredo, TX (2012)
- Visits to K-12 institutions (2006-cont.): 10 talks, 340+ students
- Events at universities/museums/community centers (2000-cont.): 28 talks, 1000+ participants

- SERVICE ACTIVITIES (INTERNAL):

- Institutional board representative, Large Synoptic Survey Telescope (2014-cont.)
- Graduate curriculum committee (2012-cont.; Chair since 2014)
- Advisory committee (2012-cont.)
- Academic advisor, Astronomy PhD (2009-cont.)
- Astronomy committee (2008-cont.)
- Graduate admissions committee (2008-09; 2012-15)

- SERVICE ACTIVITIES (EXTERNAL):

- US science working group for Thirty-Meter Telescope project (2013-cont.)
- NASA/STScI grant reviews (2013-cont.)
- LSST science working groups (2007-cont.)
- Referee for astronomical journals: ApJ, AJ, MNRAS, A&A (2002-cont.)
- Grant reviewer for French & South African National Research Foundations (2012-cont.)
- Graduate Thesis external reviewer (2013, 2014, 2015); PhD committee member (2015, 2016)
- NSF/NOAO ReSTAR (2008-2011) & telescope allocation committees (2012-2015)
- Annual joint meetings of the National Societies of Black & Hispanic Physicists (2009, 2011)