Gregory Simonian

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Current Position

Concord University **Athens, WV**
Assistant Professor of Astronomy and Physics *2019–*
Courses Taught: Introductory Astronomy, University Physics with Calculus, Part 2 (Lab)

Education

The Ohio State University **Columbus**
Ph.D Astronomy, Advisor: Prof. Marc Pinsonneault *2013–2019*

California Institute of Technology **Pasadena**
B.S. Astronomy, Cum Laude *2009-2013*

Teaching Experience

The Ohio State University **Columbus**
Instructor *2019*
Courses Taught: Planets and the Solar System, Planets to the Cosmos (online)

The Ohio State University **Columbus**
Graduate Teaching Assistant *2013–2018*
Teaching assistant for 13 courses at OSU.

California Institute of Technology **Pasadena**
Undergraduate Teaching Assistant *2012*
Teaching assistant for Ay 1

Proposals

PI: "Tidally-synchronized binaries in the *Kepler* Field" Observing Proposal
APOGEE Ancillary, 61 targets scheduled for Summer 2019

PI: "Tidally-synchronized binaries in the *Kepler* Field" Observing Proposal
MDM 2.4-meter telescope, 14 nights observed in 2017B.

Observing Experience

MDM 2.4-meter Hiltner Telescope **14 nights**
Optical Spectroscopy *Summer 2017*

Part of thesis project to detect RV variability in *Kepler* rapid rotators

MDM 2.4-meter Hiltner Telescope **5 nights**
Optical Spectroscopy and Photometry *Winter 2017*
Queue Observing

Large Binocular Telescope **19 nights**
Optical Spectroscopy and Photometry *Summer 2014*
Queue Observing

MDM 1.3-meter McGraw-Hill Telescope **9 nights**
Optical Spectroscopy *Winter 2014*
Reverberation Mapping Campaign

MDM 2.4-meter Hiltner Telescope **9 nights**
Optical Spectroscopy and Photometry *Autumn 2013*
DES Quasars

Palomar 200" **3 nights**
Optical Spectroscopy *Spring 2011*
Time-Resolved Spectroscopy of CR Boo for Senior Thesis

Seminars

Double Trouble: Biases Caused by Binaries in Large Stellar Rotation Datasets
American Astronomical Society 234 *June 2019*

Double Trouble: The Impact of Binarity in Large Rotation Datasets
National Society for Black Physicists Conference *November 2018*

The Leaky STEM Pipeline: Middle and High School
OSU Diversity Journal Club *May 2014*

Service

Pre-Health Advisory Council: Concord University *2019*

OSU Planetarium Presenter: Presented for public shows and classes *2014–2019*

OSU Science Olympiad Judge: Faciliated and graded tests for the Ohio Science Olympiad *April 2019*

Ohio State Science Day Judge: Reviewed science fair projects and networked with educators *May 2018*

Armenian Students Association: President/Treasurer for student organization *2014–2018*

Student Faculty Council: Astrophysics Option (Major) *2010–2011, 2012–2013 (chair)*

Calculus Camp: Tutor for LACES high school students *2009–2013*

Languages

Python: Numpy, Scipy, Astropy, Emcee *Primary Programming Language*

Other Languages: C, Java, Haskell, Mathematica, Matlab, IDL *Basic Knowledge*

LMSs: Canvas, Moodle

English: Fluent *Primary language*

Armenian: Conversational *Native Language*

Continuing Education

Quality Matters *(courses)*: Applying the Quality Matters Rubric *2019*

First Author Publications

[2] Gregory V. A. Simonian, Marc H. Pinsonneault, and Donald M. Terndrup. "Rapid Rotation in the Kepler Field: Not a Single Star Phenomenon". In: *ApJ* 871, 174 (Feb. 2019), p. 174. DOI: 10.3847/1538-4357/aaf97c. arXiv: 1809.02141 [astro-ph.SR].

[1] Gregory V. Simonian and Paul Martini. "Circumstellar dust, PAHs and stellar populations in early-type galaxies: insights from GALEX and WISE". In: *MNRAS* 464 (Feb. 2017), pp. 3920–3936. DOI: 10.1093/mnras/stw2623.

Co-Authored Publications

For an up-to-date list of co-authored papers, see my ADS query.