Thea Kozakis

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Education

PhD Astrophysics — Expected Spring 2019
Cornell University, Ithaca, New York, USA
Advisor: Lisa Kaltnegger
Thesis: "Habitability throughout stellar evolution"

MS Astrophysics — Spring 2016[1]
Cornell University, Ithaca, New York, USA
Advisor: Lisa Kaltnegger

B.S. Physics, B.S. Astrophysics — Spring 2013
College of Charleston, Charleston, South Carolina, USA
Advisor: Joseph Carson
Thesis: "Directly Imaging Exoplanets Around High-Mass Stars with the SEEDS Survey"

Grants/ Academic Honors

Eleanor York Prize, Cornell University	2016
Exemplary Poster Award, ERES Symposium	2015
NY Space Grant, Cornell University	2013 - 2014
NSF Graduate Fellowship Honorable Mention	2014, 2015
Outstanding Undergraduate Research Award, SC Academy of Science	2013
Departmental Honors Award, College of Charleston	2013
Outstanding Student Award, College of Charleston	2013
College of Charleston Major Academic Year Support Grant	2012
College of Charleston Summer Undergraduate Research with Faculty Grant	2012
Goldwater Scholarship Honorable Mention	2012

Presentations

Life After (Stellar) Death: Habitability Around White Dwarfs, **talk**, Planetary Lunch Series, Cornell University, Ithaca, New York, USA, August 2018

Dying to Live: Post-Main Sequence Habitability, **talk**, Graduate Student/Post-Doctorate Seminar, Cornell University, Ithaca, New York, USA, August 2018

Atmospheres and UV Ground Environment for Planets Orbiting Red Giants, **poster**, Cool Stars 20, Boston, Massachusetts, USA, August 2018

UV Surface Environments and Atmospheres of Earth-like Planets Orbiting White Dwarfs, **invited talk**, University of St Andrews, St Andrews, UK, July 2018

UV Surface Environments and Atmospheres of Earth-like Planets Orbiting White Dwarfs, **invited talk**, University of Edinburgh, Edinburgh, UK, July 2018

UV Surface Environments and Atmospheres of Earth-like Planets Orbiting White Dwarfs, **poster**, Exoplanets II, University of Cambridge, Cambridge, UK, July 2018

Do You Believe in Life After (Stellar) Death?: White Dwarf Habitability, **talk**, Graduate Student/Post-Doctorate Seminar, Cornell University, Ithaca, New York, USA, June 2018

[1] Granted medical exemption from the Cornell Graduate School for the 2015-2016 academic year

Atmospheres and UV Ground Environment for Planets Orbiting Red Giants, **poster**, Emerging Researchers in Exoplanet Science Symposium, Pennsylvania State University, State College, Pennsylvania, USA, June 2018

Biosignatures and UV Environments of Earth-Like Planets Orbiting White Dwarfs, **talk**, Emerging Researchers in Exoplanet Science Symposium, Yale University, New Haven, Connecticut, USA, June 2017

Biosignatures and UV Environments of Earth-Like Planets Orbiting White Dwarfs, **talk**, Astrobiology Graduate Conference, Charlottesville, Virginia, USA, June 2017

Biosignatures and UV Environments of Earth-Like Planets Orbiting White Dwarfs, **poster**, Astrobiology Science Conference, Mesa, Arizona, USA, April 2017

Age Rotation-Activity Relationship of Kepler Field Stars, **poster**, Astrobiology Science Conference, Chicago, Illinois, USA, June 2015

Age Rotation-Activity Relationship of Kepler Field Stars, **poster**, Emerging Researchers in Exoplanet Science Symposium, Pennsylvania State University, State College, Pennsylvania, USA, May 2015

Direct Imaging Discovery of a 'Super-Jupiter' Around a Late B-Type Star, **talk**, South Carolina Academy of Science Conference, Columbia, South Carolina, USA, April 2013

The Subaru SEEDS Imaging Search for Exoplanets Around High-Mass Stars, **poster**, AAS Winter Meeting, Long Beach, California, USA, January 2013

A Subaru SEEDS Imaging Search for Extrasolar Planets Around Early-Type Stars, **poster**, AAS Winter Meeting, Austin, Texas, USA, January 2012

Outreach /Media

Organizer for Museum in the Dark, Ithaca, NY, 2014 - 2017

- Halloween-themed outreach event at a local museum with astronomy related demos
- Liaison between the museum and the astronomy department
- Recruited/trained volunteers to run science demos and obtained/organized all materials for the event

Organizer for 4-H Focus for Teens Workshop, Cornell University, Summer 2014 - 2017

- Summer outreach event for high school students in the New York 4-H program to attend STEM related workshops
- Helped design/modify the 3 day workshop
- Recruited/trained graduate student volunteers

Workshop designer/leader for Expanding Your Horizons, Cornell University, Spring 2015 - Present

- Yearly outreach event attended by middle school girls from New York to learn about the different STEM fields
- Part of the original astronomy workshop design team, team leader for the past 2 years
- Wrote yearly applications for event approval, recruit/train volunteers and run event

Astronomy Grads Network (AGN), Cornell University, Fall 2014 - Spring 2015 (**Vice President**), Fall 2015 - Spring 2016 (**Treasurer**)

- Organized meetings and events of AGN to foster community in the astronomy department
- Handled organization finances and wrote yearly budgets
- Part of Cornell's Ask an Astronomer Team answering weekly questions from the general public

- Volunteered at local schools to teach about careers in astronomy and STEM

Teaching

Astronomy Teaching Assistant, Cornell University, Lisa Kaltenegger, Fall 2018
- Introductory astronomy class focusing on the Universe as a whole
- Assisted in writing and grading homework assignments and exams
- Taught recitation sections and held office hours

Head Astronomy Teaching Assistant, Cornell University, Lisa Kaltenegger, Fall 2015
- Introductory astronomy class focusing on the Universe as a whole
- Organized other TAs, managed course website, and dealt with logistical issues
- Assisted in writing and grading homework assignments and exams
- Taught recitation sections and held office hours

Astronomy Teaching Assistant, Cornell University, Professors Steve Squyres and Phil Nicholoson, Spring 2015
- Introductory astronomy class focusing on the Solar System
- Taught recitation sections and lab sections and held office hours
- Assisted in writing and grading homework assignments and exams

Astronomy Teaching Assistant, Cornell University, Professor Alexander Hayes, Fall 2014
- Writing class focused on exploration of the Solar System
- Assisted in teaching students how to write popular science articles
- Graded written work and gave feedback and held office hours
- Managed course website

Astronomy Teaching Assistant, College of Charleston, Christopher True, Fall 2010 - Spring 2011
- Introductory astronomy class
- Assisted instructor in running labs and teaching the students
- Set up telescopes

Physics Lab Manager's Assistant, College of Charleston, Kathleen Low, Fall 2009 - Spring 2013
- Helped prepare equipment for physics labs and assist lab instructors
- Organized lab materials and equipment
- Held office hours for students in introductory physics classes

Refereed Publications

UV Surface Environments and Atmospheres of Earth-like Planets Orbiting White Dwarfs, **T. Kozakis**, L. Kaltenegger, & D.W. Hoard. 2018, ApJ, 862, 69

Planet Hunters X. KIC 8462852: Where's the flux?, T. Boyajian, ... **T. Kozakis**, +47 co-authors. 2016, MNRAS

Direct Imaging Discovery of a 'Super-Jupiter' Around the late B-Type Star κ And, J. Carson, C. Thalmann, M. Janson, **T. Kozakis**, +52 co-authors, 2013, Astrophysical Journal Letters, 763, 32

Computer Skills

Languages:	Proficient with IDL and Python, comfortable with HTML, familiar with Matlab and Fortran
Operating Systems:	Skilled with Linux, Windows, and MAC OS X
Tools and Systems:	Expert with LaTeXand Mathematica, familiar with ArcGIS