

Zeeve Rogoszinski

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Education

University of Maryland

PH.D. IN ASTRONOMY, ADVISOR: DOUGLAS HAMILTON, THESIS: "THE TILTS AND SPINS OF PLANETS AND MOONS"

M.S. IN ASTRONOMY, ADVISOR: DOUGLAS HAMILTON, THESIS: "TILTING URANUS WITHOUT A COLLISION"

College Park, MD

Aug 2020 (expected)

Dec 2016

Vassar College

B.A. IN ASTRONOMY & PHYSICS, ADVISOR: DEBRA ELMEGREEN, THESIS: "STRUCTURE AND ACTIVITY IN HUBBLE

DEEP FIELD ELLIPTICAL GALAXIES"

Poughkeepsie, NY

Jun 2014

Fellowships & Awards

2020	Ann G. Wylie Dissertation Fellowship,	U Maryland
2016 - 2019	NASA Earth and Space Science Fellowship, 28 out of 180 selected	NASA
2016	Hartmann Student Travel Grant,	AAS
2014	Departmental Honors in Astronomy,	Vassar College
2014	Departmental Honors in Physics,	Vassar College
2014	General Honors,	Vassar College
2014	Sigma Xi,	
2013	Ethel Hickox Pollard Memorial Physics Award,	Vassar College
2013	Janet Murray '31 Memorial Scholarship,	Vassar College

Publications

The Brute-Force Search for Planet Nine

LAWRENCE, S., ROGOSZINSKI, Z., 2020, [ARXIV:2004.14980](#)

Tilting Uranus: Collisions vs. Spin-Orbit Resonance

ROGOSZINSKI, Z., HAMILTON D. P., 2020, UNDER REVIEW, [ARXIV:2004.14913](#)

Tilting Ice Giants with a Spin-Orbit Resonance

ROGOSZINSKI, Z., HAMILTON D. P., 2020, APJ. [ARXIV:1908.10969](#)

Presentations

Tilting Ice Giants with Circumplanetary Disks

ROGOSZINSKI, Z., HAMILTON D. P.

Division of Dynamical Astronomy

Jun 2019

Using collisions and resonances to tilting Uranus

ROGOSZINSKI, Z., HAMILTON D. P.

American Astronomical Society

Jan 2018

Continuing the investigation to tilting Uranus with a secular spin-orbit resonance

ROGOSZINSKI, Z., HAMILTON D. P.

Division of Planetary Science

Oct 2017

Tilting Uranus without a Collision

ROGOSZINSKI, Z., HAMILTON D. P.

AstroCon DC

Jul 2017

Posters

Can The Spin Rates of Irregular Satellites Provide Constraints To Their Formation Histories?

ROGOSZINSKI, Z., HAMILTON D. P.

EPSC-DPS Joint Meeting

Sept 2019

How do collisions shape the orbits of irregular satellites?

ROGOSZINSKI, Z., HAMILTON D. P.

Division of Planetary Science

Oct 2018

Why is it so difficult to tilt Uranus?

ROGOSZINSKI, Z., HAMILTON D. P.

Division of Dynamical Astronomy

Apr 2018

Tilting Uranus without a Collision

ROGOSZINSKI, Z., HAMILTON D. P.

Division of Planetary Science

Oct 2016

Constraining Cosmic Ray Origins Through Spectral Radio Breaks In Supernova Remnants

ROGOSZINSKI, Z., HEWITT, J. W.

American Astronomical Society

Jan 2015

Observations of the Black-Drop Effect at the 2012 Transit of Venus

ROGOSZINSKI, Z., PASACHOFF, J. M.

American Astronomical Society

Jan 2014

Services

GRAD-MAP Member

VOLUNTEERED WITH THE GRAD-MAP PROGRAM BY ASSISTING WITH OUTREACH, AND HELPING TO PLAN THE WINTER WORKSHOP. GRAD-MAP IS A DIVERSITY INITIATIVE AND GRADUATE STUDENT LED ORGANIZATION BY THE ASTRONOMY AND PHYSICS DEPARTMENTS DEDICATED TO SUSTAINING TIES BETWEEN UMD AND OTHER MINORITY SERVING INSTITUTIONS. FOR MORE INFORMATION, VISIT: WWW.UMDGRADMAP.ORG

U Maryland

2015-2018

Executive Secretary

A SECRETARY POSITION AT A NASA PEER REVIEW PANEL FOR ANNUAL PROPOSALS. THESE ARE USUALLY RESERVED FOR EARLY SCIENTISTS TO OBSERVE AND LEARN FROM THE PROPOSAL DECISION PROCESS.

NASA

2017, 2018

Observatory Assistant

MAINTAINED AND OPERATED THE SCHOOL'S OBSERVATORY.

Vassar College

2010-2012

Teaching

Astronomy 101 TA

SUPERVISORS: GRACE DEMING, DR. DOUGLAS HAMILTON, DR. LEE MUNDY, DR. ELIZA KEMPTON

U Maryland

2014-2016, Fall 2019

Academic Astronomy Intern

SUPERVISOR: DR. DEBRA ELMEGREEN

Vassar College

2013-2014

Teaching Assistant

SUPERVISOR: DR. JAY PASACHOFF

Williams College Planetarium

Summer 2013

Selected News Articles

If 'Planet Nine' is a primordial black hole, could we detect it with a fleet of tiny spacecraft?

BY MARRIC STEPHENS

Physics World

May 2020

Here's Why We Must Send 100 Spacecraft To The Edge Of The Solar System

BY JAMIE CARTER

Forbes

May 2020

A New Approach to Tilting Uranus

BY WILL SAUNDERS

AAS Nova

March 2020