Daniel S. Jontof-Hutter

PROFESSIONAL. APPOINTMENTS.	**Assistant Professor,** Dept. of Physics, Univ. of the Pacific	2016-present
	Instructor in Undergraduate Astronomy, Penn State Univ.	2016
	Research Associate, Penn State Univ.	2014- 2016
	NASA NPP Fellow, Ames Research Center	2012-2014
EDUCATION	**Ph.D., Astronomy,** University of Maryland	June 2012
	B.Sc. Astrophys., 1st Class Honors, Monash Univ., Australia	Dec 2004
	Bachelor of Laws, Monash University,	Dec 2004
	Diploma of Languages (French), Monash University	Dec 2004
GRANTS & AWARDS	**PI, Hubble Space Telescope Award,** Program 15138	2017
	PI, NASA Exoplanets Research Program Award NNX17AD23G	2017
	Co-I, Astrophysical Data Analysis Program Award (PI: Lissauer)	2017
	PI, Pacific Funds, trip to observe eclipse	2017
	Co-I, LCOGT, Key Project (PI: Shporer)	2017
	Co-I, LCOGT, Long period transiting planet TTVs. (PI: Street.	2016
	PI, Keck HIRES, RV Spectroscopy of Multi-planet systems	2015
	Co-I, NASA Exoplanets Research Program Award (PI: Ford)	2015
	Co-I, HST Cycle 23, 111 orbits (PI: Deming)	2015
	American Astronomical Society Travel Award	2015
	Co-I, Kepler K2, Campaign 1, Comet Siding Spring photometry	2014
	NASA Ames Group Award	2013
	NPP Fellowship, NASA Ames	2012
	Division of Dynamical Astronomy Raynor Duncombe Prize	2011
	Goldhaber Travel Award (U. of Maryland)	2011
	John C. Wang Academic Excellence Award (U. of Maryland)	2007

COURSES TAUGHT

Our Place In Space, general education course for non-science majors.
Pacific Seminar 1: general education course for non-science majors.
Calculus-based **Introductory Physics** for Engineering and Science majors
Computational Physics

PUBLICATIONS; 647 citations
(Students under my supervision in italics)

Jontof-Hutter, D., *Truong, V.,* et al. "Dynamical Constraints on Non-transiting planets orbiting TRAPPIST-1" 2017, AJ, (accepted with minor revisions)

Jontof-Hutter, D., *Weaver, B.P,* et al. "Outer Architecture of Kepler-11: Constraints from Coplanarity" 2017, AJ, 153, 5

Jontof-Hutter, D., et al., "Secure TTV Mass Measurements: 10 Kepler planets between 3 and 8 Earth masses with Diverse Densities" 2016, ApJ, 820, 39

Jontof-Hutter, D. et al. "The Mass of the Mars-sized Exoplanet Kepler-138 b from Transit Timing" 2015, Nature, 522, 321

Orosz, J. et. al. incl **Jontof-Hutter, D.,** "The discovery and characterization of a third planet in a circumbinary system" submitted to ApJ.

Wright, J., et al. incl. **Jontof-Hutter, D.**, "The Search for Extra-terrestrial civilizations with large energy supplies. IV", 2016, ApJ, 816, 17

Holczer, T., et al. incl. **Jontof-Hutter, D.,** "Transit Timing Observations from Kepler IX. Catalog of the Full Long Cadence Dataset", 2016, ApJS, 225, 9

Holczer, T., et al. incl. **Jontof-Hutter, D.**, "Time Variation of Kepler Transits Induced by Stellar Spots--- A way to Distinguish between Prograde and Retrograde Motion: II. Application to KOIs" 2015, ApJ, 807, 170

Wiktorowicz, S. J., Nofi, L. A., **Jontof-Hutter, D.**, et al. "A Ground-Based Albedo Upper Limit for HD 189733b from Polarimetry" 2015, ApJ, 813, 48

Jontof-Hutter, D., et al., "Kepler-79's Low Density Planets" 2014, ApJ, 795,15

Rowe, J.F., Bryson, S.T., Marcy, G.W., Lissauer, J.J. **Jontof-Hutter, D.,** et al. "Validation of Kepler's Multiple Planet Candidates. III. Light Curve Analysis and Announcement of Hundreds of New Multi-planet Systems", 2014, ApJ, 784, 45

Lissauer, J.J, Marcy, G.W., Bryson, S. T., Rowe, J.F., **Jontof-Hutter, D.,** et al., "Validation of Kepler's Multiple Planet Candidates II. Refined Statistical Framework and Descriptions of Systems of Special Interest",2014,ApJ,784,44

Christon, S. P., et al. incl. **Jontof-Hutter, D.,** "Saturn suprathermal O_2^+ and mass-28+ molecular ions: Long-term seasonal and solar variation", 2013, JGRA, 118, 3446

Lissauer, J.J, **Jontof-Hutter, D.,** et al., "All Six Planets Known to Orbit Kepler-11 Have Low Densities", 2013, ApJ, 770, 131

Jontof-Hutter, D., & Hamilton, D.P., "The Fate of Sub-micron circumplanetary dust grains II: Multipolar fields", 2012, Icarus, 220, 487

Jontof-Hutter, D., & Hamilton, D.P., "The Fate of Sub-micron Circumplanetary dust grains I: Aligned dipolar magnetic fields", 2012, Icarus, 218, 420

Eichler, D., & **Jontof-Hutter, D.,** "The Blast Energy Efficiency of Gamma-Ray Bursts", 2005, ApJ, 635, 1182

PUBLISHED PROCEEDINGS.

Jontof-Hutter, D., et al. "The Diversity of Low-Mass Exoplanets Characterized with Transit Timing", Dynamical Problems in Extrasolar Planets Science, IAU General Assembly, Honolulu 2015

Jontof-Hutter, D., & Hamilton D.P., "Dust Grains in Planetary Magnetospheres", EPSC-DPS Joint Meeting, Nantes, 2011

INVITED TALKS

SwRI Colloquium	Nov 2016
CIERA Weekly Astrophysics Seminar	May 2016
University of Delaware Astronomy Science Seminar	Mar 2016
NExScI talk, Pasadena,	Feb 2016
Harvard Univ. CfA, SSP Seminar	Jun 2015
Penn State Astronomy Lunch Talk	Sep 2014
U. of Maryland, PALS Seminar	April 2014
U.C. Santa Cruz, FLASH seminar	Nov 2013
Monash University, CSPA seminar	Mar 2013
U.C. Berkeley, CIPS seminar	Feb 2013
SETI Institute Colloquium	Mar 2012
STScI, SPF seminar	Feb 2012
U. of Virginia, NRAO seminar	Feb 2012
Carnegie Inst. Of Washington, DTM Astronomy Group	Jan 2012
NASA GSFC, Exoplanet Club	Jan 2012
U. of Colorado, Dept. of Physics	Apr 2010
Monash Univ. CSPA seminar	May 2008

CONTRIBUTED TALKS	Division of Dynamical Astronomy, Nashville	May 2016
	IAU General Assembly, Honolulu	Aug 2015
	Emerging Researchers in Exoplanet Science, State College	May 2015
	Division of Planetary Sciences, Tucson	Nov 2014
	Division of Dynamical Astronomy, Philadelphia	Apr 2014
	Second *Kepler* Science Conference	Nov 2013
	Division of Planetary Sciences, Denver	Oct 2013
	Bay Area Exoplanets Meeting, Mountain View	Jun 2013
	Division of Planetary Sciences, Nantes, France	Oct 2011
	Rings Meeting, Cornell University	Jul 2011
	Division of Dynamical Astronomy, Austin	Apr 2011
	Division of Planetary Sciences, Pasadena	Oct 2010
	American Astronomical Society, Austin	Jan 2008
	National Capital Area Disks Group Meeting, Washington D.C.	Nov 2007
CONFERENCE POSTERS	Kepler Science Conference IV,	Jun 2017
	Kavli Inst. for Theoretical Physics, Physics of Exoplanets	Feb 2015
	NASA Ames Jamboree	Mar 2014
	Formation and Evolution of Planetary Systems, Victoria, Canada	Jun 2013
	American Geophysical Union, San Francisco	Dec 2012
	Division of Planetary Sciences, Reno	Oct 2012
OBSERVING	Las Cumbres Observatory: Transiting Exoplanets	2017
	Las Cumbres Observatory: Transiting Exoplanets	2016
	Keck HIRES Radial Velocities of Multi-planet systems	2015
	Lick 3.5m Polarimetry of Exoplanet Atmospheres	2014
	K2 photometry of Comet Siding Spring during Mars Encounter	2014
SERVICE APPOINTMENTS	Co-Organizer: Habitable Worlds conference, Laramie	2017
	Co-Organizer: Emerging Researchers in Exoplanet Science Symp.	2015
	Various NASA Review Panels	2011-Present
	Journal Reviewer	2011-Present
	Astrophysical Journal, Icarus, Adv. in Space Res., Monthly Notices of the Royal Astronomical Society, Journal of Plasma Physics	
PROFESSIONAL MEMBERSHIP	American Astronomical Society	2008-Present
	American Geophysical Union	2012-Present
	AAS Division of Planetary Sciences	2008-Present
	AAS Division of Dynamical Astronomy	2008-Present
PUBLIC OUTREACH	Pacific Academic Steeplechase	2017
	Stockton Astronomical Society guest talk	2017
	Dinner with a Scientist, Stockton area high schools event	2016
	UoP Homecoming, astronomy outreach	2016
	Osher Lifelong Learning Institute, 3 lectures	2016
SELECTED PRESS	Total Solar Eclipse, Fox40 TV Sacramento morning show	Aug 2017
	https://www.youtube.com/watch?v=qTGxm8PeOXs	
	Stockton Record, *"Eclipse Insanity Totally Worth It"*	
	http://www.recordnet.com/news/20170823/eclipse-insanity-totally-worth-it/1	
	Nature podcast *"Measuring the mass of exoplanets"*	Jun 2015
	NBC Science News	
	"Weird Mars-size world ranks among lightest alien planets"	
	Spiegel *"Kepler-138b, Kleinster bekannter Exoplanet hat Mars-Format"*	
	Scientific American *"Astronomers Weigh Mars-sized Exoplanet"*	
	Sky and Telescope *"Saturn's Amazing Rings"*	May 2013