

## CURRICULUM VITAE - BRANT E. ROBERTSON

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### RESEARCH INTERESTS

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Theoretical astrophysics of galaxy formation, dark matter, hydrodynamics, AI/machine learning, and numerical simulation methodologies. Application of computational methodologies to data-intensive astrophysics.

### EDUCATION

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2006	Harvard University	Ph.D., Astronomy <i>Thesis — “The Impact of Feedback Mechanisms on Galaxy Formation”</i> <i>Advisor — Lars Hernquist, Mallinckrodt Professor of Astrophysics</i>
2003	Harvard University	M.A., Astronomy
2001	University of Washington	B.S., Physics & Astronomy (Double Major) <i>cum laude, with Distinction in Physics</i>

### EMPLOYMENT

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2019-Pres.	Professor of Astronomy and Astrophysics	University of California, Santa Cruz
2019	Maureen and John Hendricks Visiting Professor	Institute for Advanced Study, Princeton, NJ
2015-2019	Associate Professor of Astronomy and Astrophysics	University of California, Santa Cruz
2011-2015	Assistant Professor of Astronomy	University of Arizona
2009-2011	Hubble Fellow <i>Sponsor — Nicholas Scoville, Moseley Professor</i>	California Institute of Technology
2006-2009	Spitzer and Institute Fellow <i>Sponsor — Prof. Andrey Kravtsov</i>	Kavli Institute for Cosmological Physics and Enrico Fermi Institute, University of Chicago

### SELECTED HONORS AND AWARDS

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2014	Bok Prize	Harvard University
2009	Hubble Fellowship	Space Telescope Science Institute
2006	Spitzer Fellowship	Spitzer Science Center
2006	Commencement Marshal	Harvard University
2001	Graduate Merit Fellowship Honorable Mention	National Science Foundation
2001	Phi Beta Kappa	University of Washington
2000	NSF Research Experience for Undergraduates Intern <i>Sponsor — Dr. Larry David</i>	Smithsonian Astrophysical Observatory
1999	NASA Space Grant Research Intern <i>Sponsor — Prof. Julianne Dalcanton</i>	University of Washington
1997-2001	Washington NASA Space Grant Scholar	University of Washington

### GRADUATE STUDENTS

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Evan Schneider	Arizona, Ph.D., 2017	Assistant Professor, University of Pittsburgh
Ryan Hausen	UCSC Computer Science	6th Year Graduate Student
Bruno Villasenor	UCSC Astronomy and Astrophysics	6th Year Graduate Student
Taylor Quist	UCSC Applied Mathematics, M.S., 2020	LinQuest Technologies

## POSTDOCTORAL SCHOLARS

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Nicole Drakos	Postdoc 2019-Pres.	
Richard Mebane	Postdoc 2020-Pres.	
Wren Suess	Chancellor's Fellow, 2021-Pres.	
Adebusola Alabi	Postdoc 2020-2021	
Doris Stoppacher	Postdoc 2020-2021	
Rachel Bezanson	Hubble Fellow 2013-2015	Assistant Professor, University of Pittsburgh
Cameron Hummels	Postdoc 2012-2014	NSF Fellow, Caltech

## PROFESSIONAL MEMBERSHIPS

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American Physical Society  
American Astronomical Society

## SELECTED INTERNATIONAL AND NATIONAL PROFESSIONAL SERVICE

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Referee for *Nature*, *Nature Reviews Physics*, *Astrophysical Journal*, *Astrophysical Journal Letters*, *Astrophysical Journal Supplements*, *Monthly Notices of the Royal Astronomical Society*, *MNRAS Letters*, *Journal of Fluid Mechanics-Rapid*, *Astronomy and Astrophysics*, *Publications of the Astronomical Society of the Pacific*, *Astronomy and Computing*

2015-Pres.	Member	JWST NIRCам-NIRSpec Joint Guaranteed Time Observations Extragalactic Program
2017-Pres.	Member	XSEDE Resource Allocation Committee
2016-2021	Member	Nancy Grace Roman Space Telescope Formulation Science Working Group
2022	Reviewer	Alfred P. Sloan Foundation
2021	Reviewer	European Research Council Consolidator Grants
2019	Chair	Review Panel, National Space and Aeronautics Administration
2019	Organizer	Kavli Summer Program in Astrophysics: Machine Learning in Astronomy
2014-2018	Co-Chair	Rubin/LSST Galaxies Science Collaboration
2009-Pres.	Member	Rubin/LSST Galaxies Science Collaboration
2018	Reviewer	Netherlands Organisation for Scientific Research
2017	Reviewer	Alfred P. Sloan Foundation
2016	Member	Science Readiness Review Committee, Dark Energy Spectroscopic Instrument
2016	Reviewer	European Research Council Consolidator Grants
2015	Reviewer	European Research Council Consolidator Grants
2014	Reviewer	Austrian Academy of Sciences Research Proposals
2013	Member	Hubble Fellowship Selection Committee, Space Telescope Science Institute
2012	Member	Hubble Deep Fields Initiative Committee, Space Telescope Science Institute
2012	Reviewer	National Astronomical Observatory of Japan Subaru Telescope Proposals
2012	Reviewer	Israel Science Foundation Research Proposals
2011	Member,	Review Panel, "Cosmology Simulations", National Science Foundation
2011	Member	Review Panel, "Galaxies", National Space and Aeronautics Administration
2009	Member	Review Panel, "Galaxies: Theory and Simulation", National Science Foundation
2007	Member	Review Panel, "Galaxies: Theory and Simulation", National Science Foundation

## PUBLICATION SUMMARY

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Journal articles and white paper contributions published or accepted as of April 7, 2022: **>140**

Citations from the NASA ADS Database as of April 7, 2022: **>19500**

*h*-index from the NASA ADS Database as of April 7, 2022: **72**

2 papers > 1000 citations, 5 papers > 500 citations, 31 papers > 200 citations, 55 papers > 100 citations

First-author journal articles and whitepaper contributions published or accepted as of April 7, 2022: **24**

First-author citations from the NASA ADS Database as of April 7, 2022: **3608**

First-author *h*-index from the NASA ADS Database as of April 7, 2022: **19**

First-author: 3 papers > 400 citations, 8 papers > 200 citations, 10 papers > 100 citations