

Curriculum Vitae
Anastasiya Salova
 avsalova@ucdavis.com

EDUCATION	UC Davis , Davis, CA Ph.D. candidate in Physics GPA 3.80 out of 4.0	September 2015 to May 2021 (expected)
	Yale University , New Haven, CT BS in Mathematics and Physics	September 2011 to May 2015
TEACHING EXPERIENCE	Teaching Assistant for General Physics (UC Davis Phys 7A, 7B, 7C) Responsibilities included teaching the discussion and lab session, grading, attending weekly TA meetings, holding weekly office hours and a final review session.	September 2015 to December 2016
	Teaching Assistant for Network Theory (UC Davis ECS/MAE 253) Responsibilities included holding office hours for students of different academic backgrounds, grading homeworks and exams, assisting with group projects.	Spring Quarter 2018
RESEARCH EXPERIENCE	Visitor, IPAM Long Program Title: Machine Learning in Physics and the Physics of Learning Institute for Pure and Applied Mathematics at UCLA <ul style="list-style-type: none"> • Attended 5 week-long workshops on various topics • Participated in working groups (coarse-graining in MD, dynamical systems, ML with constraints, model discovery) 	September-December 2019
	Graduate Student Research Assistant UC Davis Physics Department Advisor: Prof. Raissa D'Souza <ul style="list-style-type: none"> • Nonlinear dynamics, symmetry breaking states, and control of collective behavior of nanoelectro-mechanical oscillators (NEMS) and beyond • Effect of symmetries in dynamical systems on the Koopman operator and its approximations 	September 2016- present
	Graduate Student Research Assistant UC Davis Physics Department Supervisor: Prof. Emilija Pantic <ul style="list-style-type: none"> • Searching for dark matter particles via their collisions with argon nuclei 	Spring Quarter 2016
	Undergraduate Thesis Research Project Yale University Physics Department Thesis Advisor: Prof. Daniel McKinsey <ul style="list-style-type: none"> • Gamma Source Position Reconstruction for PIXeY Detector 	May 2014 to May 2015
	Perspectives on Science and Engineering Summer Research Yale University Physics Department Supervisor: Prof. Jack Sandweiss	April to July 2012
CONFERENCE PRESENTATIONS	<ul style="list-style-type: none"> • APS Far West, Fullerton, CA • Dynamics Days, Evanston, IL • SIAM DS19, Snowbird, UT • NetSci, Burlington, VT • NetSci ISODS satellite meeting, Burlington, VT • Dynamics Days, Hartford, CT 	October 2018 January 2019 May 2019 May 2019 May 2019 January 2020

CONFERENCE POSTERS	<ul style="list-style-type: none"> • Dynamics Days, Denver, CO • Dynamics Days, Evanston, IL 	<p>January 2018</p> <p>January 2019</p>
SUMMER SCHOOLS	<p>Santa Fe Institute Complexity Summer School</p> <ul style="list-style-type: none"> • Attended lectures and participated in discussions on complex behavior in mathematical, physical, living, and social systems • Participated in interdisciplinary group research projects (e.g., data-driven approaches to cardiac dynamics) 	<p>June to July 2018</p>
PUBLICATIONS	<p>Published</p> <ul style="list-style-type: none"> • Matheny, M. H., Emenheiser, J., Fon, W., Chapman, A., Salova, A., Rohden, M., ... Mesbahi, M. (2019). Exotic states in a simple network of nanoelectromechanical oscillators. <i>Science</i>, 363(6431), eaav7932. • Salova, A., Emenheiser, J., Rupe, A., Crutchfield, J. P., D'Souza, R. M. (2019). Koopman operator and its approximations for systems with symmetries. <i>Chaos: An Interdisciplinary Journal of Nonlinear Science</i>, 29(9), 093128. <p>In preparation</p> <ul style="list-style-type: none"> • Salova, A., D'Souza, R. M. Decoupled states in networks of amplitude-phase oscillators. • Emenheiser, J., Salova, A., Snyder, J., Matheny, M. H., Fon, W., Li, J., Roukes, M.L, Crutchfield, J. P., and D'Souza, R. M. Dynamically decoupled synchronization in rings of nanoelectromechanical oscillators. 	
REFEREING	Physical Review E, Nature Communications	
SERVICE AND OUTREACH	<ul style="list-style-type: none"> • Volunteer at 2019 APS Conferences for Undergraduate Women in Physics (CUWiP) at UC Davis • Member of the UC Davis Physics Diversity and Inclusion group 	
PUBLIC TALKS	How stable is the solar system, Astronomy on Tap in Davis, 2019	