

Kostas Zampetakis

CONTACT	Jack Baskin Engineering Building 1156 High Street, Santa Cruz, CA 95064	kzampeta@ucsc.edu	
INTERESTS	Algorithms, Probabilistic Combinatorics, Graphical Models, Phase Transitions.		
EDUCATION	University of California at Santa Cruz		
	Doctor of Philosophy in Computer Science,	2019 - 2022(Expected)	
	• <i>Emphasis</i> : Theoretical Computer Science		
	• <i>Advisor</i> : Seshadhri Comandur		
	Master of Science in Computer Science,	2016 - 2019	
	• <i>Thesis</i> : A New Look at the Lovász Local Lemma		
	• <i>GPA</i> : 4.0/4.0		
	University of Athens , Athens, Greece		
	Diploma in Mathematics	2010 - 2015	
	• <i>Emphasis</i> : Pure Mathematics		
	• <i>Grade</i> : 8.69/10 (top 5 %)		
AWARDS	Best TA award in Computer Science Department	2018	
	for CMPS 102 "Introduction to Analysis of Algorithms"		
	University of California Regents Fellowship	2016	
PAPERS			
	The Lovász Local Lemma is Not About Probability		
	with Dimitris Achlioptas	<i>Under Submission</i>	
	Correlation Inequalities, Lifts, and the Bethe Approximation		
	with Dimitris Achlioptas	<i>Under Submission</i>	
	Local Approximations of the Independent Set Polynomial		
	with Dimitris Achlioptas		
	48th International Colloquium on Automata, Languages, and Programming	ICALP 2021	
TEACHING	Teaching Assistant for Courses:		
	CSE 103 "Computational Models"	Spring 2020, Fall2021	
	CSE 202 "Combinatorial Algorithms"	Spring 2021	
	CSE 16 "Discrete Mathematics"	Fall 2020	
	CMPS 102 "Introduction to Analysis of Algorithms"	Winter2017, Spring 2018	
	CMPS 101 "Introduction to Data Structures and Algorithms"	Fall 2018	
SKILLS	Programming Languages: C/C++, Python, Java		
	Applications: MATLAB, Mathematica, Maple		
REFERENCES	Dimitris Achlioptas Professor <i>University of Athens</i> optas@di.uoa.gr	Seshadhri Comandur Professor <i>UC Santa Cruz</i> sesh@ucsc.edu	Michael Molloy Professor <i>University of Toronto</i> michael.molloy@utoronto.ca