The 2018 Berkeley Statistical Mechanics Meeting January 12 – 14, 2018

Friday, Janu	uary 12, 2018	
2:00 pm	Registration & Check-In	Bixby Commons
4:00 pm	Poster Session I - Two-minute Talks David Limmer Presiding	120 Latimer Hall
5:00 pm	Poster Session I - Discussions & Light Reception	Tan Hall Lobby
Saturday, Ja	anuary 13, 2018	
7:45 am	Breakfast	Tan Hall Lobby
8:45 am	Introductory Remarks Phill Geissler	120 Latimer Hall
Saturday Le	ecture Session I – Discussion chair: Tom Miller	120 Latimer Hall
9:00 am	Christoph Dellago, University of Vienna "Simulating water and ice with neural network potentials"	
9:30 am	Adam Willard, Massachusetts Institute of Technology "The statistical mechanics of hydrogen bonding at the liquid water	· interface"
10:00 am	Susan Perkin, University of Oxford	
	"Puzzling lengthscales and timescales in ionic liquids and concent	rated electrolytes"
10:30 am	Coffee Break	Tan Hall Lobby
Saturday Le	ecture Session II – Discussion chair: Lutz Maibaum	120 Latimer Hall
10:45 am	Primoz Ziherl, University of Ljubljana	
	"Bronze-mean hexagonal quasicrystal"	
11:15 am	Ludovic Berthier, Université de Montpellier	
	y timescales"	
11:45 am	Bulbul Chakraborty, Brandeis University	
	"Theory of Force Transmission and Rigidity in Granular Systems"	,

12.10 pm	Zunon	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
Saturday Lecture Session III – Discussion chair: Mike Hagan 120 Latimer Ha					
2:00 pm	Eric Vanden-Eijnden, New York University				
	"Spatiotemporal self-organization of fluctuating bacterial coloni	es"			
2:30 pm	Maggie Johnson, Johns Hopkins University	1 1			
	"Protein self-assembly in the cell: Spatial and temporal control t localization"	nrougn memorane			
3:00 pm	Massimo Vergassola, University of California, San Diego				
	"Mitotic waves in the early embryogenesis of Drosophila: bistab	ility traded for speed"			
3:30 pm	Coffee Break	Tan Hall Lobby			
Saturday Le	cture Session IV – Discussion chair: John Wheeler	120 Latimer Hall			
3:45 pm	Lenka Zdeborova, Institut de Physique Theorique				
	"Statistical Mechanics of Learning a Rule: Decades Old Story C	ontinued"			
4:15 pm	Daan Frenkel, University of Cambridge				
	"Out of my depth: all the things I would have liked to ask David	Chandler"			
5:00 pm	Poster Session II – Two minute talks	120 Latimer Hall			
6:00 pm	Poster Session II – Discussions & Light Reception	Tan Hall Lobby			
Sunday, January 14, 2018					
Sunday, guin	um j 11, 2010				
7:45 am	Breakfast	Tan Hall Lobby			
Cunday I and	ure Session I – Discussion chair: Ehud Altman	120 Latimer Hall			
Sunday Lect	ure Session 1 – Discussion chair: Enud Altman	120 Laumer Han			
9:00 am	Felix von Oppen, Freie Universität Berlin				
	"Quantum thermodynamics of strongly coupled open quantum sy	estems"			
9:30 am	Assa Auerbach, Israel Institute of Technology				
	"The Kagome Antiferromagnet: A Quantum Spin liquid with p6 (Chirality"			

775 Tan Hall

12:15 pm

Lunch

10:00 am	Eugene Demler, Harvard University "Quantum nonequilibrium: from photoinduced superconductivity to the Higgs laser"	
10:30 am	Coffee Break	Tan Hall Lobby

Sunday Lec	ture Session II – Discussion chair: Suri Vaikuntanathan	120 Latimer Hall
10:45 am	Pablo Hurtado, Universidad de Grenada	
	"Phase transitions in the fluctuations of driven systems"	
11:15 am	Kazumasa Takeuchi, Tokyo Institute of Technology	
	"Flat growth vs circular growth: implications for interfaces and	l beyond"
11:45 am	Michael Woodside, University of Alberta	
	"Measuring transition paths in the folding of single biological n	nolecules"
12:15 pm	Closing Remarks: Phill Geissler	
12:30 pm	Dim Sum Party	775 Tan Hall