

2017 CCMR Symposium Poster List

1.	BRC Imaging Facilities <i>Porri Teresa J., Williams R., Dela Cruz J., and Bayles C.</i>
2.	Strain mapping of Two-Dimensional Heterostructures with Sub-Picometer Precision <i>Yimo Han, Saien Xie, Kayla Nguyen, Michael Cao, Mark W. Tate, Prafull Purohit, Profs. Sol M. Gruner, Jiwoong Park, and David A. Muller*</i>
3.	Solution Phase Dynamics of Nanoparticle Superlattices <i>Thomas L. Derrien, Michelle Zhang, Patrick O. Dorion, Detlef-Matthias Smilgies, and Prof. Dan Luo*</i>
4.	Surface Charged Electrospun Poly vinyl alcohol (PVA) Nanofiber Mats for Selective Dye Adsorption. <i>Min Xiao, Joronia Chery, and Prof. Margaret W. Frey*.</i>
5.	Designing an Ordered Template of Cylindrical Arrays of Block Copolymers for Lithography: A Coarse-Grained Molecular Dynamics Study <i>Shubham Pinge, and Prof. Yong L. Joo*</i>
6.	Conductive Membrane Coatings for High Rate Vanadium Redox Flow Batteries <i>Andrew Shah, and Prof. Yong L. Joo*</i>
7.	Discretized Modeling of Electrically Driven Jets and Droplets in Spinning and Spray Processes <i>Mounica Divvela, Seung Wan Kim, and Prof. Yong L. Joo*</i>
8.	Directly Deposited Si/Graphene/Metal Hybrid Anodes for High Capacity, High Rate Li-ion Batteries <i>Ghazal Shoorideh, and Prof. Yong L. Joo*</i>
9.	Confined Assembly of Polymer Blend under Elongational Flow and Its Application to Energy Storage Systems <i>George Shebert, Brian Williams, and Prof. Yong L. Joo*</i>
10.	Non-Covalent Interactions in Covalent Organic Frameworks. Analytical and Numerical Results <i>Yan Yang, Dr. Ka Un Lao, Jonathan Wong, and Prof. Robert A. DiStasio Jr.*</i>
11.	Role of van der Waals Interactions in Alleviating Epitaxial Strain in WS₂/WSe₂ Lateral Heterojunctions. <i>Lijie Tu, Ka Un Lao, Saien Xie, and Profs. Jiwoong Park and Robert A. DiStasio Jr*</i>
12.	Adhesion Goniometry of Atomic Membranes <i>Chao Sun, Dr. Marc Miskin, and Profs. Paul McEuen* and William Dichtel*</i>
13.	Structure-Function Relationships and Failure Mechanics in Articular Cartilage <i>Lena R. Bartell, Monica C. Xu, Corinne R. Henak, Jesse L. Silverberg, and Profs. Lawrence J Bonassar and Itai Cohen*</i>
14.	Embedding Memories in Colloidal Gels through Oscillatory Shear <i>Eric Schwen, Meera Ramaswamy, Chieh-Min Cheng, Linda Jan, and Prof. Itai Cohen*</i>
15.	Nonlinear Mechanics of Square Frames <i>Edward Esposito, Michael Moshe, Suraj Shankar, Baris Bircan, and Profs. David Nelson, Mark Bowick and Itai Cohen*</i>
16.	Nanoscale Sheets for Rapid Bidirectional Folding <i>Baris Bircan, Marc Z. Miskin, Kyle J. Dorsey, and Professors Paul L. McEuen and Itai Cohen*</i>

*Principal Investigator

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17.	From Bulk to 2D, the Structure and Rheology of Confined Colloidal Suspensions <i>Meera Ramaswamy, Chris Ness, Neil Lin, Brian Leahy, Andrew Fiore, James W. Swan, and Prof. Itai Cohen*</i>
18.	Optical Electrochemical Sensing with Monolayer MoS₂ <i>Michael Reynolds, Marcos Guimarães, Hui Gao, Kibum Kang, and Profs. Dan Ralph, Jiwoong Park, and Paul L. McEuen*</i>
19.	Magnetic Actuation of Graphene Origami/Kirigam <i>Tanner Pearson, Kyle Dorsey, Samantha Norris, Baris Bircan, Edward Esposito, and Profs. Itai Cohen and Paul L. McEuen*</i>
20.	Predicting Distributions of Interacting Active Organisms <i>Yunus Kinkhabwala, Juan Felipe Mendez Valderrama, and Profs. Tomás Arias, and Itai Cohen*</i>