### Chemical Engineering and Chemistry

#### Session E

**Room:** 128 Baxter

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<th>Time</th>
<th>Speaker Name</th>
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| 2:50 - 3:10 PM| Jamie H. Kwon                     | Bacterial Biosensors for Ultrasound Imaging of Intestinal Diseases   | Mikhail G. Shapiro  
Max Delbrück Professor of  
Chemical Engineering and Medical  
Engineering; Investigator, Howard Hughes Medical Institute  
Marjorie T. Buss  
Graduate Student in Chemical Engineering  |
| 3:10 - 3:30 PM| Jose A. Martinez                  | The Role of Solvent Reorganization in Aqueous Ion-Ion Interactions    | Zhen-Gang Wang  
Dick and Barbara Dickinson  
Professor of Chemical Engineering  
Alec Glisman  
Graduate Student in Chemical Engineering  |
| 3:30 – 3:50 PM| Aadarsh Balaji                    | Simple Room-Temperature Photodissociation Action  
Spectroscopy of Water-Tagged Biomolecule Ions                          | Mitchio Okumura  
Professor of Chemical Physics  
Tyler Nguyen  
Graduate Student in Chemistry  |
| 3:50 – 4:10 PM| Annika S. Viswesh                 | Leveraging Structural and Biophysical Information for  
Machine Learning-Assisted Protein Engineering                          | Frances H. Arnold  
Linus Pauling Professor of  
Chemical Engineering,  
Bioengineering, and Biochemistry  
Jason Yang  
Graduate Student in Chemical Engineering  |
| 4:10 – 4:30 PM| Meher G. Banik                    | The Effect of Tree Canopy Coverage on Residential Temperature        | Julia A. Kornfield  
Elizabeth W. Gilloon Professor of  
Chemical Engineering  
Paresh K. Samantaray  
Postdoctoral Scholar Fellowship  
Trainee in Chemical Engineering  |