

INTERNATIONAL SYMPOSIUM ON STOCHASTIC COMPLEX SYSTEMS POSTER SESSION

Friday, May 22, 2026

3:15 pm – 4:30 pm

1. **Title:** *Bubble Burst, Stochastic or Deterministic?* Jiangtao Cheng
2. **Title:** *Geometric Theory of Elastic Curves Bounded on Non-Euclidean Surfaces,* Fahim Bin Selim
3. **Title:** *Fast Chemo-Mechanical Response in Polyelectrolyte Hydrogels via Gel Diffusion Phoresies,* Narguess Alizade
4. **Title:** *Mechanical and Thermal Performance of Protein-Sugar Skin-like Composites,* Justin Barone
5. **Title:** *Effect of Solvent Quality on Ring Polymer Conformation,* Maxwell Tetteh Bessey
6. **Title:** *Slow Spatial Migration can help Eradicate Cooperative Antimicrobial Resistance in Time-varying Environments,* Kenneth Distefano
7. **Title:** *Stochastic Modeling of Epidemic Dynamics: Scaling Behavior and Universality in SIR and SIS Systems,* Sara Shabani
8. **Title:** *Solving the Young-Laplace Equation with Physics-Informed Neural Networks,* Fangzhou Yu
9. **Title:** *Orientation Effects in Chitin Nanofiber Composites,* Yu Liu
10. **Title:** *Structural and Dynamical Changes in Biomembranes with Evolved Sterol Architectures,* Ekanayake Mudiyansele Dinidu Hathnagoda
11. **Title:** *Graphene-based Field Effect Transistor Biosensors for Photosensitive Biomolecular Detection,* Kalani Ellepola
12. **Title:** *Fabrication of Nanostructures for Diffractive Optical Elements,* Tharindu Rajapaksha
13. **Title:** *Graphene Field Effect Transistor on p-doped Semiconductors for Photodetection,* Nusrat Jahan
14. **Title:** *Morphology and Gas Separation Performance of CNC Incorporated Triblock-Copolymer Nanocomposites Membranes,* Ruwanthika Kularathna
15. **Title:** *Emergent Structure and Dynamics in Methylated Lipid-Cholesterol Mixtures,* Dina Foudeh
16. **Title:** *Dynamics of Transferrin Proteins in Solution Studied with High Sensitivity Terahertz Dielectric Spectroscopy,* Jiarong Cui