

Grant Recipient



Dr. Joontaek Park
Assistant Professor
Chemical and
Biochemical Engineering
Department

Activities

- ❖ Presented a paper “**The Shape Effect on the Elution Behaviors of Rod-like Particles in Field-Flow Fractionation: Theoretical Model Derivation and Experimental Study**”
- ❖ Network with Potential Collaborators from Industry and Academia
 - Industry: Dow Chemical and Postnova
 - National Lab: NIST and Frederick National Lab
 - Academia: U of Utah and CO School of Mine, etc.

Proposal

- ❖ May 14-17th 2018, Columbia, SC, 19th International Symposium on Field-and Flow-Based Separations (FFF2018)
- ❖ Itemized budget request (Total \$1,000)
 - Registration \$500
 - Air Fare \$500
- ❖ Present my “shape separation” model to get more recognition of my research among the researchers in the similar area as well as more opportunities for collaboration and funding.

Outcomes

- ❖ Recognition of my research
 - Dr Myeonhee Moon of Yonsei University invited a seminar
 - Dr Yingwen Hu of Frederick National Lab discussed with me about experimental results which can be explained by my model.
- ❖ Offer for collaborated research
 - Dr Wei Gao of Dow Chemical offered to support NSF GOALI proposal
 - Dr Soheyl Tedjki of Postnova offered a collaboration by providing experimental data for extended research on the shape separation.