

ChEE Faculty Continues to Grow Under the “50 in 5” Plan

Our department welcomed 4 new professors to the Chemical Engineering Program this fall! **Dr. Greg Harris** completed his undergraduate degree at Iowa State University where he majored in Mechanical Engineering and followed with a Ph.D. in Chemical Engineering at the University of South Carolina. He then completed a postdoctoral fellowship at Princeton University in the Department of Molecular Biology where he researched the extracellular matrix in novel combinations with biomaterials as potential therapies for nerve injuries. His current research interests broadly include peripheral nerve and spinal cord injuries, cell-extracellular matrix interactions, and biomaterials. (<http://harrislabcincinnati.weebly.com/>) **Dr. Norman Loney** came to UC as a Visiting Professor with strong interests in engineering education. He brings to the classroom expertise in Problem-based Learning (PBL), coupled with process simulators, to help prepare students for their careers. He also works in the area of redesign of hemodialyzers to incorporate the use of advanced materials with the ability to address protein catabolism. **Dr. Jonathan Nickels** did his undergraduate work at the University of Notre Dame and his graduate work at the University of Texas, Austin. He then went on to accept a post-doctoral position at Oak Ridge National Laboratory and his area of study here at UC will be in biological and soft matter physics. His work seeks to understand the nano-scale mechanisms that underlay physiological and materials properties using neutron scattering as a primary method in these studies. (<http://www.nickelslab.com/>) **Dr. Jingjie Wu** obtained his BS and MS degrees from Wuhan University of Technology and his Ph.D. from the University of South Carolina. He then moved to Rice University for a postdoctoral training. Dr. Wu's research interests lie in the area of heterogeneous catalysis and electrochemical energy conversion/storage. In his work, he develops catalysts based on atomic-scale design for the conversion of abundant feedstock like C1 molecules (e.g. CO₂, CO, CH₄, and CH₃OH), N₂, and C₂H₆ into value-added chemicals or fuels. He also designs and fabricates flexible electrochemical energy storage devices. (<https://www.atomcatalysis.com/>)

We wish them all a very big welcome to the University of Cincinnati!!



Dr. Greg Harris

Dr. Norman Loney

Dr. Jonathan Nickels

Dr. Jingjie Wu