Curriculum Vitae

Carl McIntyre, Ph.D.
Assistant Professor
Science & Engineering
Phone: (409)-933-8244
Email: your emcintyre1@com.edu

Education

B.S. Chemical Engineering, Georgia Institute of Technology
M.S.E. Macromolecular Engineering, University of Michigan, Ann Arbor
Ph.D. Macromolecular Engineering, University oof Michigan, Ann Arbor
Postdoctoral Fellow Materials Science and Engineering University of Michigan, Ann Arbor

Teaching Experience

Assistant Professor
Chemical Engineering Department
University of Louisiana
2012-2019 (7 years)

High School Instructor
KIPP Houston High School
2019-2021 (2 years)

Adjunct Professor
Chemical Engineering Department
Prairie View A & M University
2020-2024 (4 years)

Significant Publications

Patent E. C. McIntyre and P.F. Green "Electrorheological Fluids and Methods" University of Michigan, assignee US Patent 9045710 June 2, 2015

Zhou, Y.; Damasceno, P. F.; Somashekar, B. S.; Engel, M.; Tian, Falin; Zhu, J.; Huang, R.; Johnson, K.; McIntyre, C.;Sun, K.; Yang, M.; Green, P. F.; Ramamoorthy, A.; Glotzer, Sharon C.; Kotov, Nicholas A. "Unusual multiscale mechanics of biomimetic nanoparticle hydrogels" **Nature Communications** 9(1) (2018) Open Access

M. A. Sturm and E. C. McIntyre. The electrorheological effect for polyhedral silsesquioxane cage structures with cyanopropyl functional groups; **Materials Letters** 159 (2015): 225-228.

E. C. McIntyre and A. Pereira; Electrorheology of nanodiamond/PDMS nanofluids in steady and oscillatory shear. **Applied Rheology** 5(6) (2014)