

1. Name: Ernest Carl McIntyre, PhD

2. Education & Degree:

B.Sc., Chemical Engineering, Georgia Institute of Technology University, Atlanta, GA, June 2003.

M.S.E., Macromolecular Science and Engineering, University of Michigan, Ann Arbor, MI, June 2005.

Ph.D., Macromolecular Science and Engineering, University of Michigan, Ann Arbor, MI, June 2008.

3. Academic Experience:

2022-Present Prairie View A&M University, Adjunct Professor, Department of Chemical Engineering, Full-time.

2020-2021 Prairie View A&M University, Adjunct Instructor, Department of Chemical Engineering, Part-time.

2012-2019 University of Louisiana, Lafayette, Assistant Professor, Department of Chemical Engineering, Full-time.

2008-2012 University of Michigan, Ann Arbor, NSF-EAPSI Postdoctoral Fellow, Department of Chemical Engineering, Full-time.

4. Non-academic Experience: N/A

5. Certification and professional registrations: N/A

6. Current Membership in Professional Organizations:

(a) Member of ACS, (b) Member of ASEE

7. Honors & Awards

- Research Award for the Louisiana BOR-RCS grant., University of Louisiana 2013
- Michigan Inventor, Tech Transfer Office, University of Michigan, 2011
- Postdoctoral Fellowship Award (NSF) Alliance for Graduate Education, 2008

8. Service Activities: N/A

9. Publications and Presentations from the Last Five Years (title, co-authors if any, where published and/or presented, date of publication or presentation)

1. Omambala, J.; Gallo, A.; McIntyre E.C. "Electrorheological Effects of Synthesized Octa-Cyanopropyl Silsesquioxane Cage Structure" ACS Omega 2019
2. Omambala, J.; Gallo, A.; McIntyre E.C. "Comparing the Electrorheological Effect of Polyhedral Silsesquioxane Cage Structures with Cyanopropyl Functional Groups" ACS Omega 2019
3. Omambala, J.; McIntyre, C. "Rheological Characterization of Tack and Viscoelasticity of Compositions of Crepe Coating Used in The Yankee Dryer", TAPPI Journal (2019)
4. Akinyemi, O.; Jiang, L.; Hernandez, R.; McIntyre, C.; Holmes, W. "Combustion of straight algae oil in a swirl-stabilized burner using a novel twin-fluid injector" Fuel (2019)

5. 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*

10. Brief List of Most Recent Professional Development Activities:

1. AP Summer Institute, August, 2020, for AP Environmental Science, University of Texas at San Antonio
2. Annual Meeting of the Society of Rheology, February 12-16 2017 Tampa, FL