

Darryl Athos Dickerson

1. Name and academic rank:

Darryl Athos Dickerson, Assistant Professor, Department of Mechanical and Materials Engineering

2. Education – degree, discipline, institution, year

Ph.D. Biomedical Engineering, Purdue University, West Lafayette, IN, May 2009

B.S.E. Biomedical Engineering, Tulane University, New Orleans, LA, May 2003

3. Academic experience – institution, rank, title

Florida International University, Assistant Professor, Mechanical and Materials Engineering, 2019-present

Purdue University, Associate Director, Minority Engineering Program, 2013 – 2019

Purdue University, Outreach and Development Administrator, Minority Engineering Program, 2012-2013

4. Non-Academic experience:

Founder and Chief Executive, Advanced Regenerative Tech, 2010 – present

President and Executive Director, National Association of Multicultural Engineering Program Advocates, 2018 – 2021

5. Certifications or professional registrations: N/A

6. Current membership in professional organizations

American Society of Mechanical Engineers (ASME)

Biomedical Engineering Society (BMES)

National Association of Multicultural Engineering Program Advocates (NAMEPA)

National Society of Black Engineers (NSBE)

7. Honors and awards

Purdue University Council for Manager Development (2017 - 2018)

Purdue Realization and Entrepreneurship Postdoctoral Award (2009 – 2010)

National Science Foundation Graduate Research Fellow (2005 – 2008)

Whitaker Biomedical Engineering Foundation Fellow (2003 – 2005)

8. Service activities (within and outside of the institution)

Service to FIU

- Tenure Track Faculty Search and Screen Committees (2019 – present)
- MME Diversity Committee (2019 – present)
- MME Graduate Program Committee (2020 – present)
- MME Department Seminar Coordinator (2020 – present)

External Service

- Journal of Biomechanical Engineering Diversity Advocate (2021 – present)
- National Association of Multicultural Engineering Program Advocates Board of Directors (2019 – present)

- National Science Foundation Reviewer (2019 – present)

9. Briefly list the most important publications and presentations from the past five years

Stephanie Masta, Darryl A. Dickerson, Alice Pawley, and Matthew Ohland. “Are You A Good Teammate or Are You A Great Teammate? The Role of Coded Language In Understanding Racialized and Gendered Dynamics In Engineering Undergraduate Teams,” *2021 Interdisciplinary Network for Group Research Conference*, 2021.

Darryl A. Dickerson and Abeer Albarghouthi. “Micromechanical Heterogeneity in Time-Dependent Properties of the Porcine Ventricular Myocardium,” *Biomedical Engineering Society Annual Meeting*, 2021.

Abeer Albarghouthi and Darryl A. Dickerson. “Mechanical Characterization of the Porcine Aortic Valve, Root and Interface at the Nanoscale,” *Biomedical Engineering Society Annual Meeting*, 2021.

Darryl A. Dickerson, Stephanie Masta, Matthew W. Ohland, and Alice Pawley. “Exploring the Association of a Cultural Engineering Student Organization Chapter with Student Success”, *Proceedings of the 2017 ASEE Annual Conference & Exposition*, 2017. <https://peer.asee.org/28335>

Tony Thomas, Alberto S. Rubfiaro, Pranjali Nautiyal, Roy Brooks, Darryl A. Dickerson, Jin He, and Arvind Agarwal. “Extrusion 3D Printing of Porous Silicone Architectures for Engineering Human Cardiomyocyte-Infused Patches Mimicking Adult Heart Stiffness,” *ACS Appl. Bio Mater.* 2020, 3, 9, 5865–5871.

Deva D. Chan, Luyao Cai, Kent D. Butz, Eric A. Nauman, Darryl A. Dickerson, Ilse Jonkers, and Corey P. Neu. “Functional MRI can detect changes in intratissue strains in a full thickness and critical sized ovine cartilage defect model”, *Journal of Biomechanics*, 2018.

Darryl A. Dickerson and Tasha K. Zepherin. “Exploring the Association of a Cultural Engineering Student Organization Chapter with Student Success”, *Proceedings of the 2017 ASEE Annual Conference & Exposition*, 2017. <https://peer.asee.org/28335>

10. Briefly list the most recent professional development activities

- FIU Diversity Advocate Training, 2021
- FIU Bystander Leadership Training, 2019