

1. Name: **Keisha Antoine**

2. Education & Degree

BS, Chemical Engineering, Lehigh University, 2001

M.Eng, Materials Science & Engineering, Lehigh University, 2004

PhD, Materials Science & Engineering, Lehigh University, 2007

3. Academic Experience

2019 – Present Prairie View A&M University, Lecturer I, Full-time

4. Non-academic Experience

2017 – Present Vision Equipment, Sales Representative, part-time

Providing municipalities and industry with relevant equipment technologies for their water and wastewater needs

2015 – Present Antoine Technical Consulting LLC, Principal, part-time

Authorized distributor of custom equipment offerings in water/wastewater treatment and water quality testing equipment for municipal, oil & gas and industrial sectors.

September 2012 – May 2015 Corning Incorporated, Senior Chemical Engineer

Engineering lead to develop engineering requirements, process flow diagrams, P&IDs; size and procure equipment

November 2011 – September 2012 Corning Incorporated, Chemical Process Engineer

Led international cross-functional teams in the development of equipment and process requirements for capital projects.

October 2007 – November 2011 Corning Incorporated, Senior Scientist – Chemistry

Deliver new process concepts toward the reduction of defects in LCD glass substrate processing to improve manufacturing yields – generate intellectual property (IP) to solve critical business issues.

5. Certification and professional registrations:

Registered Professional Engineer (TX No. 127429)

6. Current Membership in Professional Organizations:

Water Environment Association of Texas (WEAT), American Institute of Chemical Engineers (AIChE)

7. Honors & Awards

- Order of the Engineer (2022)
- Keisha C.A. Antoine, Lealon L. Martin, Jorge F. Gabitto, “Mixed Reality Modules for Chemical Engineering”, DOI submitted January 2021.
- Keisha Chantelle Ann Antoine, Po-Hao Kao, Claire Jeannette Warren Ginnan, “Mixing apparatus for substrate ion exchange systems with multi-component ion exchange baths and methods of mixing such baths”, US 20140366579 A1, issued December 18, 2014

- Keisha Chantelle Ann Antoine, Megan Aurora DeLamielleure, Irene Mona Peterson, 20120103021, “Apparatus and Method for Reducing Gaseous Inclusions in Glass”, issued May 3, 2012
- Keisha Chantelle Ann Antoine, Megan Aurora DeLamielleure, Irene Mona Peterson, 20100199721, “Apparatus and Method for Reducing Gaseous Inclusions in Glass”, issued May 3, 2012

8. Service Activities

- Judge, Houston Science and Engineering Fair, Harmony Public Schools Fall 2022
- Peer-referee, J. Non-Crystal Solids
- CHEG ABET/SACS Accreditation Committee (2019 – present)
- Faculty Advisor for two graduate students, LSAMP undergraduate recipient AY 2020-2021, Society of Women Engineers (SWE)
- Faculty Mentor for BEN Phillips 66 Case Study Competition Teams Fall 2021
- Panel Reviewer, National Science Foundation (2012 – present)

9. Publications and Presentations from the Last Five Years

- “Assessing Targeted Phytonutrients within Xanthosoma sagittifolium, A Culinary Delight of the Tropics and Subtropics”, Z. Barnes, K. Antoine, P. Ampim, NOBCCChE 49th Annual Meeting, September 26-29, 2022, Orlando, FL (Poster)
- “Mixed Reality in Engineering Education”, ASEE/AIChE Summer School, Colorado School of Mines, Golden, CO, July 26, 2022 (Poster)
- “Extended Reality in Engineering Education”, K.C.A. Antoine, L.L. Martin, J.F. Gabitto (Oral Presentation), CATIE 2022, Texas A&M University, Rellis Campus, June 28, 2022
- “Mixed Reality in Engineering Education”, Texas Land Grants Day on April 8, 2022 (Poster), PVAMU
- “Assessing Targeted Phytonutrients within Xanthosoma sagittifolium, A Culinary Delight of the Tropics and Subtropics”, Z. Barnes, K. Antoine, P. Ampim, Research & Innovation Week on April 6, 2022 (Poster), PVAMU

10. Brief List of Most Recent Professional Development Activities

- ASEE/AIChE Summer School, Colorado School of Mines, Golden, CO, July 25-29, 2022
- CATIE 2022, TAMU, Rellis Campus, Bryan, TX, June 27-28, 2022
- Energy Drone & Robotics Summit 2022, Houston, TX, June 20-22, 2022
- Tees Annual Research Conference, College Station, TX, June 8-9, 2022
- Offshore Technology Conference, Houston, TX, May 2-5, 2022
- Conference attendance: “Community Summit – Microsoft Dynamics and Power Platform Summit”, 12th – 15th October, 2021
- “Water from an outsider's perspective”, I-FMD's Distinguished Interdisciplinary Rounds Lecture at Lehigh University. Invited talk. 19th March, 2021.
- Faculty Advisor for LSAMP undergraduate recipient AY 2020-2021