

1. Name: Keisha Antoine, Ph.D.

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 (Period, institution, rank, full-time or part-time

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

November 2011 – September 2012 Corning Incorporated, Chemical Process Engineer, Full-time, 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, Full-time
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

- i. 3 Patents (1 Divisional)
- ii. 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

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

- i. Judge, Houston Science and Engineering Fair, Harmony Public Schools
- ii. Peer-referee, J. Non-Crystal Solids
- iii. CHEG ABET/SACS Accreditation Committee
- iv. Faculty Advisor for LSAMP undergraduate recipient AY 2020-2021
- v. Faculty Advisor, Society of Women Engineers (SWE)
- vi. Panel Reviewer, National Science Foundation 2020

9. Publications and Presentations from the Last Five Years. N/A

10. Brief List of Most Recent Professional Development Activities

- i. Presented a research poster for Texas Land Grants Day on April 8, 2022
- ii. Exhibited in the PVAMU Research & Innovation Week Industry Day on April 6, 2022
- iii. Conference attendance: “Community Summit – Microsoft Dynamics and Power Platform Summit”, 12th – 15th October, 2021
- iv. “Water from an outsider's perspective”, I-FMD's Distinguished Interdisciplinary Rounds Lecture at Lehigh University. Invited talk. 19th March, 2021.
- v. Faculty Advisor for LSAMP undergraduate recipient AY 2020-2021
- vi. ASEE Workshop/Training, “National Effective Teaching Institute - Online (NETI-3D)”, 10th – 11th August, 2020
- vii. Faculty Advisor, Society of Women Engineers (SWE)
- viii. Panel Reviewer, National Science Foundation 2020
- ix. 1 Disclosure of Invention Jan 2021 (submitted and under review at TAMU) Inventors: Keisha Antoine, Lealon Martin, Jorge Gabitto
- x. WEFTEC, Chicago, IL, 21st – 25th September 2019
- xi. Texas Water, Houston, TX, 2nd – 5th April, 2019
- xii. WEFTEC, New Orleans, LA, September 29th – October 3rd, 2018
- xiii. Texas Water, San Antonio, TX, 23rd – 26th April, 2018