

QUINTA WARREN, Ph.D., P.E., P.M.P.

PROFESSIONAL EXPERIENCE

- Consumer Reports** Washington, D.C.
Associate Director, Sustainability Policy (July 2021 – Present)
- Managed policy analysts/engineers to evaluate government clean transportation policy impacts using data and models
 - Led organization-wide efforts to develop and implement strategy for sustainability program
- Energy Research Consulting** Washington, D.C.
Founder and CEO (February 2016 – Present)
- Supported and accelerated entrepreneurial ventures in Africa by providing sustainable technical energy expertise
 - Developed and led international teams of multidisciplinary energy and water consultants
- Millennium Challenge Corporation** Washington, D.C.
Energy Advisor / AAAS Fellow (September 2018 – August 2019)
- Evaluated the economic impact of energy policy and institutional reform in emerging economies
 - Coordinated energy efficiency and renewable energy program strategy development
- U.S. Department of Energy, Office of Fossil Energy/Office of International Affairs** Washington, D.C.
Technical Advisor / AAAS Fellow (September 2017 – August 2018)
- Managed technology development for modular power generation and carbon management
 - Leveraged energy technology to support international engagements
- Dakar American University of Science and Technology** Dakar, Senegal
Co-Founder, Director of Professional Education (May 2016 – June 2018)
- Developed Chemical Engineering curriculum and coordinated process for other departments
 - Managed waste-to-energy research program
- ConocoPhillips Company** Houston, TX
Reservoir Engineer Team Lead – South Texas Lobo Development (September 2012 – October 2015)
- Coordinated multiple disciplines to drill and maintain natural gas fields in South Texas
- Associate Engineer – Heavy Oil Technology* (March 2011 – September 2012)
- Researched innovative solutions for economic recovery of heavy oil to minimize water use
- Associate Engineer – Sustainability Technologies* (November 2009 – February 2011)
- Conducted lab and process modeling research on state-of-the-art and novel methods of CO₂ capture

EDUCATION AND CERTIFICATIONS

- Ph.D. Chemical and Biomolecular Engineering** (August 2005 – November 2009)
Georgia Institute of Technology Atlanta, GA
- Dissertation: *Effect of divalent cations and solubilizers in apoferritin and gamma D-crystallin solutions: nucleation, crystallization and light scattering studies*
 - Minor in Management
- B.S. Chemical Engineering, with Honors and Distinction** (September 2001 – May 2005)
The Pennsylvania State University University Park, PA
- Undergraduate thesis: *The Effect of Electrostatic Interactions on Protein Retention during Virus Filtration*
 - Member of the Schreyer Honors College
- Project Management Professional (P.M.P.)** (2019 – present)
- Professional Engineer (P.E.), Chemical Engineering** (2017 – present)

SELECTED PRESENTATIONS & PUBLICATIONS

- Q. Warren, Chair for panel on *Retaining Women in Chemical Engineering Careers*, AIChE, Nov 16, 2021
- Q. Nwanosike Warren, *Energy and Sustainable Development*, De Gruyter textbook, December 2020
- Q. Warren, *The Role of Chemical Engineering in Sustainable Energy Policy*, Energy Research Consulting, AIChE Annual Meeting, November 18, 2020
- Q. Warren, *The Role of Innovation in Sustainability in Oil & Gas*, Witwatersrand University Business School (South Africa), Strategic Management of Energy Innovation course, guest lecture, March 2020
- Q. Warren, *The Role of Energy in Sustainable Development*, Forum2100 webinar, September 2019
- Q. Warren, *Energy-Water Nexus Study for a Mushroom Farming Initiative in Nigeria*, Engineering Research Consulting, AIChE Annual Meeting, October 30, 2018
- Q. Warren, *The Role of Engineers in Managing the Energy-Water Nexus*, Freshman seminar, Dakar American University of Science and Technology (2018)
- Q. Warren, R. Ivy, *Quick Start Capability: Restarting Power Plants with no Grid Connection*, US Department of Energy White Paper, August 17, 2018
- Q. Warren, Chair for panel on *Industrial Strategies for Sustainability*, AIChE Spring Meeting, March 27, 2017
- Q. Nwanosike Warren, Clay Cox, *Solvent Loading System*, Patent US20130136681 A1, January 2012

PROFESSIONAL MEMBERSHIPS

- American Institute of Chemical Engineers AIChE (2006 – present)
 - Vice Chair of International Committee (2020 to present)
 - Director of Management Division (2017 – 2020)
- American Association for the Advancement of Science AAAS (2016 – present)
- Project Management Institute PMI (2019 – present)