

CARLOTTA A. BERRY, Ph.D.

Biography

Carlotta Berry is a professor and Dr. Lawrence J. Giacoletto Endowed Chair for Electrical and Computer Engineering at Rose-Hulman Institute of Technology (RHIT). She is one of a team of faculty who created the first multidisciplinary minor in robotics. She has two bachelor's degrees in mathematics from Spelman College and electrical engineering from Georgia Institute of Technology. She has a master's from Wayne State University and PhD from Vanderbilt University. Her research interests include robotics education, human-robot interaction, and increasing marginalized and minoritized populations in STEM fields. Berry is a prolific speaker and author of the text, "Mobile Robotics for Multidisciplinary Study".

Berry is also the founder and co-director of the Rose Building Undergraduate Diversity (ROSE-BUD) Program and advisor for the National Society of Black Engineers. She was previously the President of the Technical Editor Board for the American Society of Engineering Education (ASEE) Computers in Education Journal, ASEE fellow and IEEE senior fellow.

She has a special passion for diversifying the engineering profession by encouraging more women, marginalized and minoritized populations to pursue STEM degrees. She achieves this purpose with robotics education, engineering education and human-robot interaction research to bring more people to STEM. Her strong service record has garnered her multiple accolades and awards including 2023 IEEE Undergraduate Teaching Award, Society of Women Engineers 2022 Distinguished Engineering Educator Award, 2022 Distinguished Educator Award from the American Society of Engineering Education Electrical and Computer Engineering Division, 2022 Open Source Hardware Trailblazer Fellow, 2021 TechPoint Foundation for Youth Bridge Builder award, one of 30 Women in Robotics You Need to Know About 2020 by robohub.org, Reinvented Magazine Interview of the Year Award on Purpose and Passion, FIRST Indiana Robotics Gamechanger Award 2020, Women and Hi Tech Leading Light You Inspire Me Award 2018 and Insight Into Diversity Inspiring Women in STEM.

During 2020, she worked with colleagues around the world to start two non-profit organizations, Black In Engineering and Black In Robotics. They have a mission to bring awareness to systemic racism and inequity in STEM, build community, advocate for diversity, equity, inclusion, justice, and connect with allies and sponsors.