

## Dr. Gina Guillaume-Joseph



### Candidate for Director for Outreach

#### VISION

I have been an effective servant-leader and have invoked great change and outstanding results from those I lead, resulting in my being elected President of the International Council on Systems Engineering (INCOSE) Washington Metro Area (WMA) Chapter in 2014. My leadership has directly improved member participation at monthly meetings and invoked their spirit of volunteerism at various activities I have organized. During my leadership, I developed the new Science, Technology, Engineering and Math (STEM) Committee used as a vehicle to promote outreach in the community to children in the K-12 grades at schools in the DC Metro region. I also set up the new Social Media Chair role to expand our reach and footprint through the effective use of social media. I reestablished the Ambassador Committee to tout INCOSE's mission throughout our CAB, Academic and government organizations in the metro area. I was instrumental in having INCOSE WMA sponsor the US Science and Engineering Festival (USASEF), the largest STEM event in DC. Sponsorship in USASEF included my organizing 25 enthusiastic volunteers over a 3-day weekend to present STEM related demonstrations to K-12 students, their teachers and their parents; also, presenting us the opportunity to introduce INCOSE's mission to the conference attendees.

Understanding that we can achieve far more together than we can in isolation the Director of Outreach is a catalyst for collaboration across the Systems Engineering space internationally and nationally, in academia, federal government space and private industry. This role requires collaboration with other professional societies to include IEEE and PMI. I supported the relationship forged with IEEE in support of 2017 IEEE Syscon with INCOSE hosting a special track with relevant papers authored by our members. INCOSE has been invited to play a greater role in 2018 and beyond and I honored to continue the relationship.

My vision if elected is to expand the relationships that INCOSE and I have forged in various communities and continue that same momentum as Director for Outreach with zeal.

#### BIO

Dr. Gina Guillaume-Joseph is an Information Systems Engineer at The MITRE Corporation in McLean, Virginia. In her current role, she acts as a trusted advisor to senior leadership in Federal Agencies by partnering with them to design enhancements to their work systems. Dr. Guillaume-Joseph's work has led to improvements that allow the systems and processes to operate more efficiently and effectively in fulfillment of specific functions. Her various roles have been software

developer, test engineer, and quality assurance engineer within the private, government consulting, non-profit and telecommunications arenas. Dr. Guillaume-Joseph also serves as an Adjunct Professor and Doctoral Research Advisor at the George Washington University supporting students pursuing their doctorate in Systems Engineering. She is a conference presenter and published author and co-author of several journal publications and to include the newly published Wiley Series in Systems Engineering book, *Trade-off Analytics: Creating and Exploring the System Tradespace*.

Dr. Guillaume-Joseph has a strong record of success based on direct personal contributions. She leads and develops teams that are adaptive, flexible and highly responsive in the exceptionally dynamic environment of Government support. Her accomplishments and successes are based on strong program performance, leadership discipline, a commitment to developing relevant, innovative and adaptive solutions, and a vigilant focus on best value solutions for her clients. She is a Systems Engineering practitioner who searches opportunities to integrate with broader project tasking by proactively engaging other Task Leads in the implementation of standard business processes to ensure synchronization and to achieve unified project goals. Her work on the programs have resulted in numerous awards and recognitions for outstanding contributions of Systems Engineering best practices. She received the 2015 Be Everything You Are (BEYA) Modern Day Technology Leader Award for her outstanding leadership and contributions in her field. As the state of Virginia's finalist for the White House Fellowship program, she received regional recognition joining the ranks of the top 5% of leaders in the DC Metro area.

Dr. Guillaume-Joseph received her B.A. in Computer Science from Boston College and M.S. in Information Systems from The University of Maryland. She obtained her PhD in Systems Engineering from The George Washington University with a topic focused on Predicting Software Project Failure Outcomes using Predictive Analytics and Modelling.

Dr. Guillaume-Joseph is currently the Assistant Director for INCOSE Standards Initiatives where she makes every effort to ensure that INCOSE participates in any Systems Engineering standards development activity that represent the interests of all appropriate domains to include defense, government, commercial, academic, and all appropriate member regions. As such, the, Standards Initiatives division is one of the most active communities within INCOSE.

She is also a board member of the INCOSE Foundation serving in the role of Project Manager for the Foundation's STEM Initiative. In this role, she helps identify STEM programs INCOSE can help support across the chapters. Her goal is to support every chapter of INCOSE to set up a STEM Committee with chairs to identify and advance STEM programs within the communities we serve. To help accomplish this goal, she recently organized a team of 16 experts comprised of INCOSE members, members of academia, and industry to develop a National Science Foundation Proposal (NSF) proposal for a portion of a multi-million dollar INCLUDES Grant for STEM K-12 with a focus on Systems Engineering to support the Foundation's STEM Initiative. Though, the grant was not awarded to INCOSE, it rallied support from the Foundation to continue to identify grants for future submission.