



## **David A. Delaine Biography**

David A. Delaine has received a Ph.D. in electrical engineering from Drexel University, in Philadelphia, and a B.S. in electrical engineering from Northeastern University, in Boston. At Drexel he performed research alongside Adam K. Fontecchio towards his thesis entitled "the analysis of radiometric forces towards the development of an energy-scavenging Mems generator." He has completed tenures as a national science foundation bridge to the doctorate and graduate research fellow. He currently serves as the president of the Student Platform for Engineering Education Development (SPEED) which aims to provide a student voice to the global engineering education community. He was recently awarded the Fulbright scholar award to perform postdoctoral research with Dean Jose Roberto Cardoso at the *Escola Politécnica da Universidade de São Paulo*. In his project, being performed in collaboration with the UGA Collaborative Lounge for Understanding Science and Technology (CLUSTER) group, titled "assessing the impact of one boundary spanner on university-wide stem educational engagement" where he will attempt to optimize community/university relations for broadening participation in the stem fields." He has ambitions to significantly broaden the global pipeline of stem talent. David has developed himself as a member of the engineering education (EE) community from within the IFEES umbrella. He has leveraged this role to create an engineering education postdoc in a foreign country (Brazil), effectively working to spread them around the world for the benefit of this field and discipline. This synergy between stakeholders is one of the cornerstones of IFEES and as such he feels he is well suited to sit on the executive committee. Additionally, his established relationships and experience working within the community have prepared him to successfully perform the associated work. His work with the Student Platform for Engineering Education Development (SPEED) has taught him the necessary skillset to work virtually, globally, and across cultures to accomplish direct and targeted outcomes. During his tenures first as vice president and then as president he has developed increase structure within speed to maintain its stability while performing current tasks and to provide viability over the coming years. The structure now in place is allowing new members to more readily insert themselves into the speed community and begin working towards our mission, helping to retain them within the organization and develop tomorrow's leaders. Partnering initiatives with LACCEI, BEST, ISTEC, and other IFEES member organizations has displayed his ability to work horizontally across the community as well. Lastly, his ability to speak English, Spanish, French and developing ability to speak Portuguese allows him to comfortably interact with many partner organizations and members. As an IFEES executive member he intends to continue to build bridges with existing and new IFEES members to increase output and leverage the global diversity to improve outcomes. Through working on transparency and structure of working initiatives attempts will be made to provide easy access into ongoing projects and needs to attract more members into the active core of IFEES.