

Getting Started in Multidisciplinary Research  
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Abstract

Getting started in multidisciplinary research is a rewarding way to enhance your skills as a student through working on problems that researchers in other disciplines face. By solving such problems, you get to practice the techniques that you have learned in your educational career and develop new techniques as well. Several challenges, however, await you as you make your way through learning about other disciplines, determining the best way to help researchers solve problems utilizing automated techniques, investigating how to solve computational problems encountered in providing solutions, and learning how to write up your work in conference and journal publications. Working through the challenges causes personal growth, better communication abilities, enrichment in techniques and knowledge of other disciplines, and more creativity in providing novel ways around perplexing issues. In this talk, we will explore the challenges and growth you can have as a multidisciplinary researcher.

Bio

Dr. Susan Mengel has played strategic leadership roles in numerous multidisciplinary projects involving the delivery of innovative software and web sites in sleep management, student career and school advising, big data and distributed computing, serious games, and K-12 outreach. She has served as Vice-President for the Texas Tech Faculty Senate, chaired the IEEE Software Engineering Education and Training Conference, served on the Steering Committee of the ACM/IEEE Computing Curriculum, and served on the IEEE Computer Society Board of Governors. She currently serves on the Texas Tech Institutional Review Board for the Protection of Human Subjects and is the Associate Editor for Computing for the IEEE Transactions on Education. She is the faculty advisor for the Society of Women Engineers and the faculty advisor for the Software Development Club. She serves on the Outreach Committee of the Society of Women Engineers as the Assessment Workgroup Lead and as the Outreach Chair Elect for FY18.