Andrea F. Lobo

Professor
Computer Science

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Education:
BS (Computer and Information Sciences), Universidad de Costa Rica
MS (Computer and Information Sciences), University of Delaware
PhD (Computer and Information Sciences), University of Delaware

Research Expertise:
Computer Networks | Simulation and Modeling | Algorithm Design and Analysis | Mobile Computing | Internet of Things

My research focuses on the design and evaluation of algorithms, software, networks and systems. I have secured external funding from industry and government in excess of $750,000 over the past 5 years. Presently, I am the PI and co-Technical Lead of the Perka First Data-Rowan CS Lab, an innovative industry-academia collaboration where Rowan-CS students do paid on-campus internships developing production software with active engagement from faculty members and Perka engineers. I am also founder and CEO of SimAcumen, a Rowan Innovations Company. SimAcumen provides cloud-based business analytics for service supply chains, and our clients include Fortune 500 and Fortune Global 500 companies.

Honors and Awards:
Best Faculty Poster Presentation Award,
24th Annual Eastern Conference of the Consortium for Computing Sciences, 2008.
Best Paper Award, with Ganesh Baliga,
11th Annual Northeastern Conference of the Consortium for Computing Sciences in Colleges, 2006.
University of Delaware Bloc Fellowship, 1991

Member of:
ACM
IEEE

Recent Publications:

Lobo AF, Baliga GR (2017) A Project-Based Curriculum for Algorithm Design and NP-Completeness Centered on the Sudoku Problem. Journal of Computing Sciences in Colleges. 32:110-118.

Lobo AF, Baliga GR (2016) Assessment of a Project-Based Curriculum for Algorithm Design and Intractability Centered on the Traveling Salesperson Problem. Journal of Computing Sciences in Colleges. 31:62-69.

Lobo AF, Baliga GR (2014) A Project-Based Curriculum for Algorithm Design and Intractability Centered on the Traveling Salesperson Problem. Journal of Computing Sciences in Colleges. 29:108-114.

Lobo AF, Baliga GR (2014) Teaching algorithm design and intractability with a project-based curriculum centered on a single intractable problem: Three domains to choose from. Proceedings of the 45th ACM technical symposium on Computer science education. 741-741.

Lobo AF, Baliga GR (2012) Developing a project-based curriculum for the design and analysis of algorithms for intractable problems. Journal of Computing Sciences in Colleges. 27:68-69.