

Graduate School of Arts and Sciences*

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Department of Computer and Information Science

Spring 2018 CIS Distinguished Lecture Series

Inspiring the Next Generation of Leaders to Make the World Ever Better

Distinguished Speaker: Prof. Wendi Heinzelman

ACM SIGMOBILE Distinguished Scientist, IEEE Fellow, Dean

University of Rochester

Date: March 7, 2018

Time: 12:00 pm – 1:00 pm

Venue: Keating Hall

Abstract: Technology has and will continue to transform how we live, work and play. In this environment of ever-evolving technology, it is vital that we educate the next generation to not only learn the fundamentals but to also be creative, globally-minded, analytical thinkers who will meet the challenges we are yet to foresee. I have spent my career working to encourage students to find their passion for careers in engineering and computer science, and to ensure that we provide support and training for diverse populations to pursue this field. In this talk, I will discuss my vision for how to best train our future leaders as well as the disruptive technological changes that are transforming our lives.

Speaker's Biography: Wendi Heinzelman is Dean of the Hajim School of Engineering and Applied Sciences and a Professor in the Department of Electrical and Computer Engineering at the University of Rochester. As dean of the Hajim School, Dr. Heinzelman oversees a variety of programs, departments, and institutes, including audio and music engineering, biomedical engineering, chemical engineering, computer science, data science, electrical and computer engineering, materials science, mechanical engineering, and optics. The Hajim School has an undergraduate student body of 1,845 students. The school has 95 tenured and tenure-track faculty members, 15 additional full-time faculty, 310 master's students, 350 doctoral students, and more than 20,000 alumni.

Dr. Heinzelman received a B.S. degree in Electrical Engineering from Cornell University in 1995 and M.S. and Ph.D. degrees in Electrical Engineering and Computer Science from MIT in 1997 and 2000, respectively. Her research interests span diverse areas—from wireless communications and networking to mobile-cloud computing to multimedia communications. Much of this work involves the design of advanced communication and networking protocols and architectures. Applications include providing better communications tools for soldiers in the field, understanding pollution in places such as India, enabling the continuous monitoring of wildlife and the environment, learning about family dynamics and healthy interpersonal communications, and designing a programming framework to support the development of health management applications. Dr. Heinzelman has contributed to 12 textbooks and has published in more than 50 journals and more than 100 conference and workshop proceedings. According to Google Scholar, her work has been cited more than 42,000 times. Over her career, she has been the principal or co-principal investigator on more than 20 programs with combined funding support of nearly \$11 million. Dr. Heinzelman is a co-founder of Networking Networking Women (N² Women) and a member of the Society of Women Engineers (SWE), a Distinguished Scientist of ACM SIGMOBILE, and a Fellow of the IEEE Communications Society, the IEEE Signal Processing Society and the IEEE Computer Society.

Refreshments will be served!