The Engineering Institute of Canada

2023 Award Citation

EIC Fellow

Natalie Enright Jerger

Nominated by IEEE Canada

Natalie Enright Jerger, Canada Research Chair in Computer Architecture at the University of Toronto, designs new ways of arranging the components of computer processors in order to optimize performance. Her work helped manufacturers like Intel, AMD and Qualcomm build faster devices while keeping power usage, device weight and cost low, resulting in smarter smartphones and more powerful computers. She is co-author of the popular textbook "On-Chip Networks", now in its second edition, used in graduate courses at several leading universities.

A leader in her professional community, Professor Enright Jerger served as the Program Chair for the 2014 International Symposium on High Performance Computer Architecture – the first woman and the youngest person to ever chair the conference. She has also served on the executive committees of the most influential governing bodies in computer architecture.

Professor Enright Jerger has led efforts to improve diversity and advance women in the computer architecture field; she chairs the Women in Computer Architecture networking group and was co-chair of the Association for Computing Machinery (ACM) Council on Diversity and Inclusion. She is a Distinguished Member of ACM and an IEEE Fellow and has received several national and international awards in recognition of her contributions.

Ladies and gentlemen, and Ms. President, please welcome Natalie Enright Jerger as a Fellow of the Engineering Institute of Canada.