



The Engineering Institute of Canada

Sir John Kennedy Medal – 2017

(recognizing outstanding service to the profession and noteworthy contributions to the science of engineering)



Cristina Amon

Nominated by the Canadian Society for Mechanical Engineering

Cristina Amon was the Raymond Lane Distinguished Professor of Mechanical Engineering and Director of the Institute for Complex Engineered Systems at Carnegie Mellon University. In 2006, she joined the University of Toronto as Dean of the Faculty of Applied Science and Engineering and Alumni Chair Professor in Bioengineering. As Dean, she has been tireless in her successful efforts to make U of T Engineering one of the world's leading engineering schools. She has also dedicated herself to increasing diversity in engineering and ensuring that Canadian engineers are prepared to lead the world in addressing global challenges.

Cristina's research pioneered the development of Computational Fluid Dynamics for formulating and solving thermal design problems subject to multidisciplinary competing constraints. This led to her creation of a multi-stage concurrent thermal design methodology based on hierarchical model refinement.

She has delivered keynote lectures worldwide and authored sixteen book chapters and over 350 refereed articles. She has been inducted into the Canadian Academy of Engineering, Spanish Royal Academy, Royal Society of Canada, Hispanic Engineer Hall of Fame and the U.S. National Academy of Engineering. She was elected fellow of all major professional societies in her field, including AAAS, ASEE, ASME, CSME, EIC and IEEE.

Ladies and gentlemen, and Mr. President, as a very worthy Recipient of the Sir John Kennedy Medal, please welcome Cristina Amon.