



The Canadian Society for Mechanical Engineering
A constituent society of the Engineering Institute of Canada

La Société Canadienne de génie mécanique
Une société constituante de l'Institut canadien des ingénieurs

NEWS COMMUNIQUÉ

The Canadian Society for Mechanical Engineering (CSME), founded in 1970, is pleased to announce the winning recipients of its 2025 technical awards. These awards may be bestowed biannually to members of the society for their outstanding contributions to specific areas of mechanical engineering in Canada.

The following three exceptional professionals will be presented with their medals on 27 May at the 2025 CSME International Congress to be hosted on 26-28 May by the École de technologie supérieure, Montréal. Each winner will be presenting a plenary lecture at the Congress.

Please consider attending the 2025 CSME International Congress to congratulate these exceptional winners and attend their lectures: <https://www.csmecongress.org/>.

CSME Emerging Technologies Medal

For “exceptional research and innovation contributions to the field of biomedical engineering”.



Mohsen Akbari, Ph.D., MCSME

Associate Professor, Mechanical Engineering, University of Victoria, BC

Mohsen Akbari received his PhD from Simon Fraser University and is currently an Associate Professor at the Department of Mechanical Engineering at the University of Victoria. Dr. Akbari's exceptional contributions to advanced materials, particularly the development of bioactive fibers for tissue printing and organ weaving, have led to numerous groundbreaking technologies with significant implications for tissue engineering and regenerative medicine. Dr. Akbari's commitment to knowledge translation is evident through his establishment of three companies, organization of events and symposiums, service on the boards of directors of CSME and other Canadian societies, numerous awards and recognitions, and publication of research findings in high-impact journals.

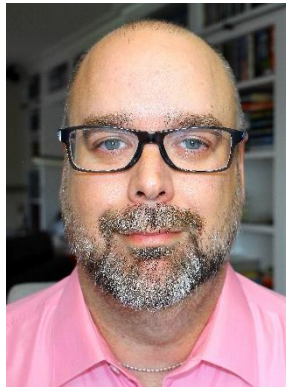


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CSME Jules Stachiewicz Medal

For “exceptional research and innovation contributions to the field of thermal science and engineering”.



Dominic Groulx, Ph.D., FCSME

Professor, Dalhousie University, Halifax, NS

Dr. Dominic Groulx, Fellow of the CSME, obtained his PhD from the University of Sherbrooke and is the founder of the Lab of Applied Multiphase Thermal Engineering (LAMTE) at Dalhousie University where he has trained over 90 HQPs in the last 15 year and published over 200 journal and conference papers, book chapters and technical reports.

Dr. Groulx is a world leader in the field of solid-liquid phase change heat transfer and latent heat based thermal energy storage/thermal management, giving invited keynote lectures at the top international conferences and research centers. He is also the author of invited book chapters dealing with the design of thermal storage systems and thermal management of electronics.

Dr. Groulx was asked to be inaugural chair of the CSME Heat Transfer Technical Committee and is the current senior Canadian representative on both the Assembly for the International Heat Transfer Conference (AIHTC) and the International Center for Heat and Mass Transfer (ICHMT), representing the Canadian Heat Transfer community.



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CSME Mechatronics Medal

For “exceptional research and innovation contributions to the field of mechatronics”



Ya-Jun Pan, Ph.D., FCSME

Professor, Dalhousie University, Halifax, NS

Dr. Ya-Jun Pan obtained her PhD from the National University of Singapore and is a Professor in Mechanical Engineering at Dalhousie University. She is an internationally renowned researcher in control, mechatronics and robotics and has made significant contributions in robust nonlinear control and cyber physical systems with in-depth applications to tele-robotics, cooperative autonomous systems, intelligent robotics, rehabilitations, and industrial automation.

Ya-Jun has published over 200 research articles in top journals and conferences with high citations, advancing the field of control and mechatronics and contributing to industrial practices. Her innovative work has been successfully applied to the industrial partner's commercial platforms as key technologies and made significant impact in helping their business growth.

Dr. Pan has trained over 100 graduate students and research associates. She has been recognized with fellowships in Canadian Academy of Engineering (CAE), Engineering Institute of Canada (EIC), Canadian Society for Mechanical Engineering (CSME), American Society of Mechanical Engineers (ASME), Research Excellence Award, and Humboldt Research Fellowship.