

Editorial

Preface: Proceedings of the 1st Symposium on Energy Efficiency in Buildings and Industry [†]

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[†] Presented at Symposium on Energy Efficiency in Buildings and Industry, Sherbrooke, QC, Canada, 28 May 2019.

Published: 26 September 2019

Symposium on Energy Efficiency in Buildings and Industry was an initiative of the Laboratoire de Mécanique des Fluides, Thermique et Énergie (LMFTEUS) of Université de Sherbrooke, with the objective of engaging the discussion of solutions for improving energy efficiency in the context of buildings and industrial applications.

The symposium program included one plenary talk entitled “Providing high solar fractions for space and water heating in cold climates through seasonal storage” by Professor Ian Beausoleil-Morrison from Carleton University, one keynote talk entitled “Modeling urban thermal airflow by integrating city fast fluid dynamics (CITYFFD) and city building energy model (CITYBEM)” by Professor Leon Wang from Concordia University and nine technical presentations dwelling on building energy simulations, control strategies for more energy efficient buildings, the economic feasibility of waste heat recovery systems and energy storage via compressed air and thermal sinks. The symposium ended with a roundtable discussion on the current and future energy outlook in Canada.

The first edition of the symposium was held within the 27th Canadian Congress of Applied Mechanics (CANCAM) in Sherbrooke, Quebec. It gathered more than 70 participants from various engineering faculties across Canada, France and Belgium along with researchers and representatives of the private sector. Special acknowledgements are given to Emerson Electric Canada, Venmar ventilation, Nad Klima, EXP engineering and Destination Sherbrooke for their sponsorship.



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