



IESVic Seminar

- DATE:** Wednesday, August 14th, 2019
- TIME:** 11:30-12:30 pm
- LOCATION:** Engineering Computer Science Bldg [ECS] Room 660
- SPEAKER:** **Marc Rosen**
Professor, Faculty of Engineering and Applied Science
University of Ontario Institute of Technology
- TITLE:** ***Sustainability and Sustainable Development***

Abstract: Humanity and societies face increasingly important challenges related to sustainability. Making societies and their development more sustainable requires the consideration of economic, social, environmental and other factors. Sustainability assessment tools evaluate the sustainability of a process or system, and how that is affected when a change is made. In this seminar, sustainability concepts and definitions are reviewed and the historical context for sustainability is briefly described. Then sustainability is discussed, focusing on its economic, environmental and social dimensions, and the related concept of sustainable development is examined. Issues related to sustainability are discussed throughout. Finally, assessment measures for sustainability are examined, and several applications are presented.

Biography: Marc A. Rosen is a Professor at the University of Ontario Institute of Technology in Oshawa, Canada, where he served as founding Dean of the Faculty of Engineering and Applied Science from 2002 to 2008. Dr. Rosen was President of the Engineering Institute of Canada and the Canadian Society for Mechanical Engineering. He has served in many professional capacities, including Editor-in-Chief of several journals and a member of the Board of Directors of Oshawa Power and Utilities Corporation. With over 60 research grants and contracts and 600 technical publications, Dr. Rosen is an active teacher and researcher in sustainable energy, the environmental impact of energy and industrial systems, and energy technology (including hydrogen energy systems). Much of his research has been carried out for industry, and he has written numerous books. Dr. Rosen has worked for such organizations as Imatra Power Company in Finland, Argonne National Laboratory near Chicago, and the Institute for Hydrogen Systems near Toronto. Dr. Rosen has received numerous awards and honours, and he is a Fellow of the American Society of Mechanical Engineers.

For further information, please contact the IESVic office (250) 721-6295.