NSERC CREATE **TOP-SET** Un programme *FONCER* du CRSNG

Séminaire

Le lundi 4 octobre 2021, 13h
Complexe de recherche avancée, pièce 233
Université d'Ottawa, 25, rue Templeton
Diffusion sur MS Teams
L'inscription est **obligatoire** pour assister à ce séminaire en personne.
Le nombre de places est limité.
Le séminaire se déroulera en anglais.

Seminar

Monday, October 4, 2021, 1 p.m.
Advanced Research Complex, room 233
University of Ottawa, 25 Templeton Street
Webcast on MS Teams
Registration is **mandatory** to attend this seminar in-person.
Limited number of seats.

Path to zero carbon buildings in Canada

Miroslava Kavgic, University of Ottawa

Abstract: Human activities unequivocally caused observed increases in greenhouse gas emissions since the 1750s leading to the warming up of the Earth. Canada is heating up at approximately twice the global average, and observed annual average temperature increases for Northern Canada are almost three times the world's mean. Along with 195 parties, Canada adopted the Paris Agreement on climate change to keep the average global temperature increase below 2.0°C compared to pre-industrial levels. As the third-largest greenhouse gas emitter, buildings play a crucial role in meeting the climate change targets and building communities that benefit all Canadians long-term. Nevertheless, progress toward net-zero carbon buildings has been slow. On the other hand, technological solutions already exist, and the costs of renewable energy generation are becoming competitive with conventional grid electricity while creating jobs and reducing pollution. Join Dr. Kavgic to learn about the potential path to net-zero carbon buildings in Canada.

Bio: Dr. Miroslava Kavgic is an Assistant Professor in the Department of Civil Engineering at the University of Ottawa. She completed her Master's and Ph.D. studies in Environmental Design and Engineering at the University College London, U.K., researching indoor environmental quality and decarbonizing the building sector. Before joining uOttawa in 2020, Dr. Kavgic was a Postdoctoral Fellow at Dalhousie University in Halifax (2014-2016) and an Assistant Professor in the Department of Civil Engineering, the University of Manitoba (2016-2020), where she is an Adjunct Professor. She also has extensive industry experience working in firms on sustainable building design and engineering. At uOttawa, she researches developing carbon-negative building materials, bioclimatic design strategies, and renewable systems for sustainable, healthy, and affordable buildings. Dr. Kavgic is a member of the Centre for Indigenous Community Infrastructure at uOttawa and is especially interested in deriving environmentally and culturally appropriate solutions and technologies for remote Northern communities.

TOP-SET est un programme de formation FONCER du CRSNG en puissance optoélectronique ayant pour but de façonner une cohorte de personnel hautement qualifié détenant des connaissances approfondies en systèmes optoélectroniques pour joindre les rangs d'équipes de recherche et développement.

Pour de plus amples renseignements sur TOP-SET, veuillez consulter create-topset.eecs.uottawa.ca/fr.

NSERC CREATE Training in Optoelectronics for Power: from Science and Engineering to Technology (**TOP-SET**) is a training program that aims to form a cohort of highly qualified personnel with comprehensive understanding of optoelectronic systems, capable of joining advanced R&D teams.

For further details regarding TOP-SET, go to create-topset.eecs.uottawa.ca.

NSERC CRSNG

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uOttawa

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