

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

Séminaire

Le lundi 3 octobre 2022, 13h

ARC 233 et [MS Teams](#)

Le séminaire se déroulera en anglais.

Seminar

Monday, October 3, 2022, 1 p.m.

ARC 233 and [MS Teams](#)

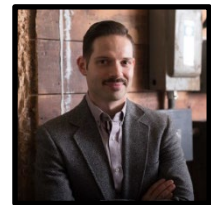
The role of safety in driving towards a net-zero grid

Oleg Popovsky, Enphase Energy, Inc.

Richard Birt, Ret. Captain Fire & Rescue, S.A.F.E.

Abstract: This presentation will discuss the risks, tactics, and opportunities for deploying distributed energy systems, specifically solar and battery storage, using safer technologies and deployment strategies that ensure that key stakeholders, like firefighters, are prepared to manage these systems in emergencies. Guest speakers will tailor their talk to the audience's interest. Topics that may be discussed include the role of virtual power plants in providing energy resiliency to communities during grid outages while also providing a growing alternative to procurement of conventional grid electricity; opportunities for driving integration among on-site solar & storage systems, using APIs, with key building energy loads, to accelerate these systems' energy management value and lower the cost of and reliance on external energy sources.

Bio: Oleg Popovsky is a distributed energy industry insider with a 15-year track record for leading transformational business development, market strategy, revenue growth and strategic alliance initiatives across solar and energy storage product development, project origination and financing, as well as asset operations. In his current role, as Senior Director of Global Business Development for Enphase Energy, Inc., he leads several go-to-market and business development initiatives to provide Enphase solutions for commercial solar installations as well as to integrate solar + storage systems with home appliances. Previous experiences include leading a fintech start-up, Braggawatt, that provides solar installers an online sales and financing platform for small and mid-sized businesses & non-profit clients; co-founding Constant Power, an energy storage company that was sold to STEM; and management and directorship positions at SunEdison. Oleg is an advisor to several cleantech, micro-mobility and sustainability start-ups, and is also a member of University of Toronto's Advisory Board for the Institute of Sustainable Energy. He holds a BA & BS in International Marketing Strategy from Bentley University, and lives in Toronto with his family.



Captain Richard Birt retired at the end of 2020 as a firefighter-captain for Las Vegas Fire and Rescue. He now focuses on the educational platform he founded, Solar And Fire Education, (S.A.F.E.), which provides free training for firefighters on how to safely mitigate a fire incident involving solar and battery storage systems. After Hurricane Maria caused the failure of the electrical grid across Puerto Rico in 2017, Birt spearheaded a disaster relief effort that resulted in 15 solar and battery microgrids being installed on strategically placed fire stations across the island to keep emergency services operational. Birt was awarded the Medal of Honor from his department in 2018 for his work in Puerto Rico and continues his disaster relief work as a technical advisor for non-profits Solar Responders and Empowered by Light.

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 rejoindre les rangs d'équipes de recherche et développement.

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

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.



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