



# DL Seminar: Dr. Federico Rosei

## Mentorship for Young Scientists: Developing Scientific Survival Skills

FRIDAY, JANUARY 31, 2025

02:30 P.M. – HEC 356

**Abstract:** This presentation provides essential guidance for young scientists to develop the professional skills needed for success in modern science and engineering. Key topics include navigating the job market across industry, academia, and national labs; securing research funding; publishing impactful papers; and presenting work effectively. It also explores critical strategies for scientific survival, such as self-awareness, planning ahead, ethical conduct, and adaptability, along with insights into alternative career paths. Designed for aspiring researchers, this talk offers practical advice to help them thrive in their scientific journeys.

### Biography



Dr. Federico Rosei, is a distinguished Professor at the National Institute of Scientific Research for Energy, Materials and Telecommunications in Canada. Having served as the Director of the institute from 2011 to 2019, he holds the prestigious Canada Research Chair (Senior) in Nanostructured Materials since May 2016. His remarkable career also includes holding the Canada Research Chair (Junior) in Nanostructured Organic and Inorganic Materials from 2003 to 2013 and the UNESCO Chair in Materials and Technologies for Energy Conversion, Saving, and Storage since January 2014. With a focus on structure/property relationships in nanomaterials, he explores their applications as fundamental building blocks in emerging technologies. His impactful research has received support from various funding sources, totaling over M\$ 18, including contributions from the Province of Quebec, the Federal Government of Canada, and international agencies. His collaborative efforts extend to partnerships with over twenty Canadian R&D companies. As a testament to his contributions to the scientific community, Dr. Rosei is a co-inventor of three patents and has authored more than 475 articles in prestigious international journals, with citations exceeding 24,600. A sought-after speaker, Dr. Rosei has been invited to share his insights at over 360 international conferences, including 50 Keynotes and 26 Plenaries. In addition to his academic engagements, he has delivered over 275 seminars and colloquia, conducted more than 60 professional development lectures, and given 50 public lectures in 51 countries