

## **Guest Lecture Series**

**Dr. Bas Baskaran**

**And**

**Ms. Dominique Lefebvre**

---

## **Roofing and Insulation R & D Activities at the National Research Council of Canada**

The presentation by the National Research Council of Canada (NRC) will focus on their research and development initiatives related to roofing and insulation. As the only federal lab in Canada, our focuses are towards the development of building code materials and national standards. This lecture will provide an overview of the following:

- A multifaceted consortium, SIGDERS (Special Interest Group for Dynamic Evaluation of Roofing Systems) and its wind resistance standard,
- An industry project to determine the energy resistance of commercial roofs,
- The work conducted at NRC related to vegetated roof assemblies and photovoltaic rooftop installations as conventional roofs are now being used as platforms for rooftop add-ons, and
- A study on the durability performance and the field evaluation of asphalt shingles from a residential perspective.

Furthermore, a major climate adaptation initiative, which has been mandated by the government of Canada, will be presented in the form of two projects related to the codification of climate dependent building material properties and the development of guidelines for commissioning and certifying the resiliency of roofs subjected to extreme weather events.

---

**When: Thursday, October 19th**

**Where: C-136**

**Time: 10:00-11:00 A.M.**