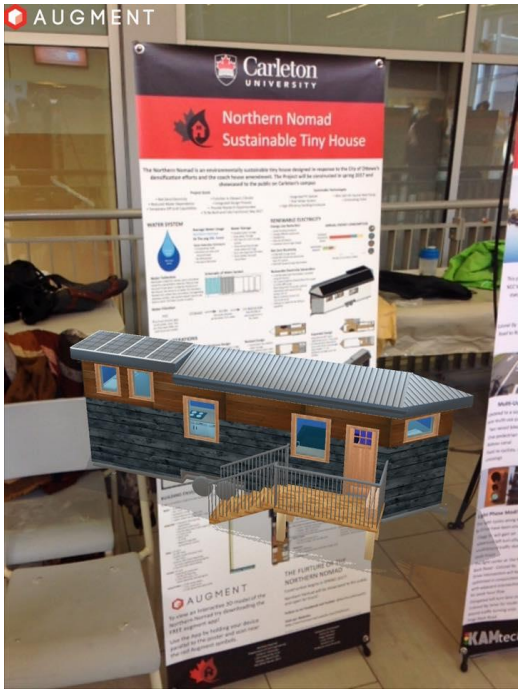
Carleton UNIVERSITY | Department of Geography & Environmental Studies

FOUNDERS SEMINAR

Presents:

Dr. Scott Bucking, School of Architecture

Tiny Houses and the Northern Nomad Project



When: **Friday, September 22, 2017**
Time: **2:30- 4:00**
Location: **Tiny Houses, outside School of Architecture**
(Students will meet in Room A220,
Loeb at 2pm and walk over together.)
(Light refreshments will be available)
ALL WELCOME

Abstract:
The project started as a 4th year engineering capstone project here at Carleton. The idea was inspired by the growing popularity of the tiny house movement, as it was noticed that most of the tiny houses were built in warm climate locations, where the weather stays relatively constant and sun exposure times during the winter isn't an issue. Then the question arose: how far north can we put a self-sustaining tiny house? And the **Northern Nomad** was born. Our goal is to push the limits of sustainable building design in Ottawa. We are exploring ways in which new and innovative technologies can be integrated into a sustainable building. Facebook site: https://www.facebook.com/NorthernNomadCU/

Biography:
Professor Scott Bucking heads up the Community Design Laboratory in the Azrieli School of Architecture and Urbanism. His primary area of research involves developing tools and technologies which enable the development of net-zero energy communities. Net-zero energy communities satisfy a strategic need to reduce energy use intensity, integrate clean energy supplies and mitigate environmental impacts of the new and existing building stock, all while meeting expectations for human well-being and economic growth. His immediate research interests are: a) optimization of net-zero community design, b) development of building integrated photovoltaic technologies, c) community rendering using video game engines, and d) building information model development to improve the interoperability of tools and better manage community assets throughout the entire building life-cycle.

The Geography and Environmental Studies Departmental Seminar Series is committed to accessibility for persons with disabilities. Please send requests for accommodation to Meaghan Kenny meaghan.kenny@carleton.ca