High-Resolution Remote Sensing and the Global Impact

with Professor Yun Zhang, PhD

Abstract:

This talk will first introduce the past successes of Dr. Zhang's research group in the technology development of high-resolution remote sensing image processing, including the contributions to Google Maps. The talk will then introduce two recent results of his group: (1) space-based hyperspectral remote sensing for spruce budworm defoliation detection, and (2) Sendinel-2 multispectral image for forest canopy height estimation.

Wednesday, March 8, 2023
Goodwin Hall, Room 247
10:30 to 11:30 am

Dr. Yun Zhang is a Fellow of the Canadian Academy of Engineering (FCAE), Canada Research Chair in Advanced Geomatics Image Processing (2008-2018), Professor in Remote Sensing at the University of New Brunswick, and a Visiting Professor of the Massachusetts Institute of Technology (MIT) (2015). The research outcomes from his lab have resulted in more than 20 technology licenses. Users of the technologies include NASA, Google, Natural Resources Canada, DigitalGlobe, and many others.

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