



Canadian Association  
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## **(I) Quantum Technologies in Sensing, Imaging, and Metrology: From the Laboratory to Near-Term Commercial Applications**

*Tuesday 8 June 2021 11:05 (30 minutes)*

This keynote will provide a high-level overview of the current state-of-the-art in quantum technologies and their applications to sensing, imaging and metrology. I will start with a brief historical view about how National Metrology Laboratories like NIST and NRC-Canada have used these technologies for years. I will then transition to some near-term commercial applications before returning to a long-term view of the future applications of these quantum technologies to National Metrology Laboratories, society, and basic science.

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