



# Extreme and Quantum Photonics Summer School

June 18-22, 2018

## Topics and Confirmed Speakers

### Ultrafast Photonics

- Lora Ramunno, (Computational nano-optics)
- Paul Corkum, (Attosecond pulses, HHG)
- Lab: Intro to optical modelling with Python

### Nonlinear optics and Plasmonics

- Robert W. Boyd, (NLO, zero index materials)
- Pierre Berini, (Plasmonic sensing, metamaterials)
- Lab: The nonlinear Schrodinger Equation with Python

### Photonic Materials and Structured Light

- Jean-Michel Ménard, (THz generation)
- Ebrahim Karimi, (Twisted Light)
- Lab Tours and uOttawa grad student poster session

### Nano Photonics

- Ksenia Dolgaleva, (Active integrated-optics)
- Antonio Badolato, (Silicon photonics)
- Lab: Lumerical

### Quantum Photonics

- Gerd Leuchs, Max Planck Institute Erlangen
- Jeff Lundeen, (Intro to quantum optics)
- Lab: Modelling Quantum Optics with QuTip in Python

## Logistics at a glance

### Location

University of Ottawa Campus

### Audience

Advanced undergraduate and masters students

### Registration fee

Full Summer School: \$100

Single Day: \$25

*Please note that registration is highly subsidized to encourage participation*

### Registration deadline

June 1, 2018



Visit our website for more information [https://photonics.uottawa.ca/en/summerschool\\_2018](https://photonics.uottawa.ca/en/summerschool_2018)

This event is organised and sponsored by the Max Planck - uOttawa centre for Extreme and Quantum Photonics.

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