

**Short Course:
Practical Quantum Optics 2019**

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Benefits and Learning Objectives:

- Understanding the limits quantum physics imposes on optics and appreciating the opportunities offered by the quantum world.
- Learn the basic tools for describing quantum noise
- Acquire the practical skills for experimenting with non classical light – generation, characterization and control
- Learn to assess the potential benefit when attempting to exploit quantum aspects in standard optical scenarios

Intended Audience:

The course is designed to appeal to an audience without prior experience in quantum optics as well as to researchers who want to refresh and be updated with current trends. This course is intended to be beneficial for graduate students and industrial and academic researchers alike having a general interest in quantum optics and its practical application.