

# SQUAD 2017 ADVANCED SCHOOL ON QUANTUM DETECTORS

October, 16-18 2017



## Program of the school

### Monday, October 16

12:00 – 14:20	Registration
14:20 – 14:30	<i>School opening</i>
14:30 – 15:30	<i>Single-Photon Avalanche Diodes for the Near-Infrared Wavelength Range</i> Prof. Alberto Tosi, Politecnico di Milano (Italy)
15:30 – 16:00	<i>Coffee break</i>
16:00 – 17:00	<i>Silicon Photo-Multipliers</i> Dr. Alberto Gola, Fondazione Bruno Kessler (Italy)
17:00 – 18:00	<i>Superconducting Nanowire Single Photon Detectors</i> Prof. Roberto Leoni, CNR (Italy)
18:00 – 19:00	<i>Welcome cocktail - Poster session #1</i>

### Tuesday, October 17

9:00 – 10:00	<i>CMOS Single Photon Imaging for Biomedical Applications</i> Prof. Robert Henderson, University of Edinburgh (United Kingdom)
10:00 – 10:30	<i>Coffee break</i>
10:30 – 11:30	<i>Single-Photon Avalanche Diodes for Quantum Applications</i> Prof. Edoardo Charbon, Ecole Polytechnique Fédérale de Lausanne (Switzerland)
11:30 – 12:30	<i>3D Imaging Technology</i> Dr. Claude Florin, Fastree3D (Switzerland)
12:30 – 14:00	<i>Lunch break</i>
14:00 – 15:00	<i>Detectors in Quantum Communications</i> Prof. Paolo Villorosi, University of Padova (Italy)
15:00 – 16:00	<i>Superconducting Nanowire Single Photon Detectors – High-Efficiency Fiber-Coupled Devices</i> Dr. Gabriele Bulgarini, Single Quantum BV (The Netherlands)
16:00 – 16:30	<i>Coffee break</i>

16:30 – 17:30	<i>Past and future uses of single-photon detectors</i> Dr. Bruno Sanguinetti, ID Quantique SA (Switzerland)
17:30 – 18:00	<i>Quantum Technologies</i> Prof. Tommaso Calarco, Universität Ulm (Germany)
17:30 – 18:30	<i>Poster session #2</i>
19:00 – 21:00	<i>Social dinner</i>

### Wednesday, October 18

9:00 – 11:00	<i>Detectors in Quantum Physics</i> Prof. André Stefanov, University of Bern (Switzerland)
11:00 – 11:30	<i>Coffee break</i>
11:30 – 12:30	<i>CCD and EM-CCD for Quantum Imaging and Photon Counting Applications</i> Prof. Ivano Ruo Berchera, INRIM (Italy)
12:30 – 12:45	<i>School closing</i>