



# ADOPT Quantum Photonic Technologies Winter School 2018

Romme Alpin  
Koppslahyttan 111, 781 98 Borlänge



## Quantum Photonic Technologies Winter School, ADOPT 2018

March 22nd – March 25th 2018, Romme Alpin, Sweden

### Thursday, March 22<sup>nd</sup>, 2018

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<b>8:30</b>	Bus leaves Albanova University Center
<b>9:00</b>	Bus leaves Kista Electrum laboratory
<b>12:15</b>	Arrival to Romme Alpin and Hotel check-in
<b>12:30 - 13:30</b>	Lunch
<b>13:30 - 16:30</b>	Skiing
<b>16:30 - 16:45</b>	Program start – Opening remarks – Hand exam questions
<b>16:45 18:15</b>	Prof. Göran Johansson, Chalmers University <i>Quantum optics and quantum acoustics in the microwave regime</i>
<b>18:15 - 18:30</b>	Coffee + fikabröd break
<b>18:30 - 20:00</b>	Prof. Constanza Toninelli, European Laboratory for Non-Linear Spectroscopy <i>Organic molecules for quantum technologies</i>
<b>20:00</b>	Dinner buffet + socializing

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**Friday, March 23<sup>rd</sup>, 2018**

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<b>- 8:45</b>	Breakfast
<b>8:45 - 10:15</b>	Prof. Sara Ducci, Université Paris Diderot <i>AlGaAs photonic devices for Quantum Information</i>
<b>10:15 - 10:30</b>	Coffee + fikabröd break
<b>10:30 - 12:00</b>	Prof. Rachel Grange, ETH Zurich <i><math>\chi^{(2)}</math> nanomaterials for nonlinear integrated photonic devices</i>
<b>12:00 - 13:00</b>	Lunch
<b>13:00 - 16:30</b>	Skiing
<b>16:30 - 18:00</b>	Prof. Mircea Guina, Tempere University of Technology <i>Semiconductor light sources meeting the needs of quantum technology</i>
<b>18:00 - 18:15</b>	Coffee + fikabröd break
<b>18:15 - 19:45</b>	Prof. Christine Silberhorn, Paderborn University <i>Integrated Quantum Optics</i>
<b>19:45</b>	Dinner buffet + socializing

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**Saturday, March 24<sup>th</sup>, 2018**

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<b>- 8:45</b>	Breakfast
<b>8:45 - 10:15</b>	Prof. Peter Lodahl, Niels Bohr Institute <i>Quantum nanophotonics with solid-state quantum dots</i>
<b>10:15 - 10:30</b>	Coffee + fikabröd break
<b>10:30 - 12:00</b>	Prof. Carsten Schuck, Universität Münster <i>Superconducting Nanowire Single Photon Detectors for Integrated Quantum Photonics</i>
<b>12:00 - 13:00</b>	Lunch
<b>13:00 - 16:30</b>	Skiing
<b>16:30 - 18:00</b>	Prof. Julien Laurat, Pierre and Marie Curie University <i>From free-space to all fibered light-matter interfaces – Combining cold atoms and nano photonics</i>
<b>18:00 - 18:15</b>	Coffee + fikabröd break
<b>18:15 - 19:45</b>	Prof. Stefan Kröll, Lund University <i>Quantum information and slow light effects in rare earth ion doped crystals</i>
<b>19:45</b>	Dinner buffet + socializing

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## Sunday, March 25<sup>th</sup>, 2018

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<b>- 8:45</b>	Breakfast
<b>8:45 - 10:15</b>	Prof. Eden Figueroa, Stony Brook University <i>Developing room temperature quantum technologies</i>
<b>10:15 - 10:30</b>	Closing remarks
<b>10:30 - 10:45</b>	Coffee + fikabröd break
<b>10:45 - 12:00</b>	Hand in exam answers
<b>12:00 - 13:00</b>	Lunch
<b>13:00 - 16:30</b>	Skiing
<b>16:30</b>	Bus leaves Albanova University Center

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### Contact Information

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