INVITED TALKS AT INTERNATIONAL CONFERENCES

1. 5th International Conference on Quantum Technologies (ICQT) 2019, Moscow, Russia
   “Microresonator soliton frequency combs” (Invited talk) July 2019
2. CLEO Europe-EQEC 2019, Munich, Germany
   “Photonic chipscale soliton frequency combs” (Invited talk) June 2019
3. AFOSR, Program Review Meeting, Arlington, USA
   “Exploring Temporal Soliton Physics in Micro-Resonator Frequency Combs” (Invited Talk) June 2019
4. CLEO 2019, San Jose, USA
   “Chipscale soliton micro-combs” (Tutorial) May 2019
5. CLEO 2019, San Jose, USA
   “Microresonator based Optical Frequency Comb and Photonic Waveguide Supercontinuum Sources” (Short Course) May 2019
6. CLEO 2019, San Jose, USA
   “Cavity Optomechanics: Fundamentals and Applications” (Short Course) May 2019
7. DARPA DODOS Review Meeting, Santa Barbara, USA
   “Extending coherene in non-stationary Kerr solitons” (Invited Talk) April 2019
8. DARPA NLM Review Meeting, Albuquerque, USA
   “Harnessing the ultimate limits of light-matter interactions with polaritonic metamaterials” (Invited Talk) March 2019
9. APS Boston, USA
   “Soliton microresonator frequency combs” (Invited Talk) March 2019
10. SPIE Photonics West, San Francisco, USA
    “Soliton microresonator frequency combs” (Invited Talk) February 2019
11. PQE19 Snowbird, USA
    "Quantum feedback of a nanomechanical oscillator” (Invited Talk) January 2019
12. International Workshop on Sound-enabled Nanotechnologies (IWENT), Valencia, Spain
    “Elastic strain engineering for ultralow mechanical dissipation” (Plenary Talk) November 2018
13. DARPA DODOS Review Meeting, Santa Barbara, USA
    “Direct On-chip Digital Optical Synthesis” (Invited Talk) November 2018
14. Nature Conference on Nanophotonics and Integrated Photonics, Nanjing, China
    “Microresonator soliton frequency combs” (Invited Talk) November 2018
15. 44th ECOC 2018, Rome, Italy
    “Soliton micro-comb technology” (Tutorial) September 2018
16. CeNS/LMU, Workshop Celebrating NanoScience, Venice, Italy
    “Cavity Quantum Optomechanics: Quantum limits of interferometric position measurements” (Invited Talk) September 2018
17. Hybrid Approaches to Quantum-Information Processing, DNRF, Copenhagen, Denmark
    “Quantum effects in interferometric position measurements of nanomechanical oscillators” (Invited Talk) July 2018
18. Symposium for the Science of Light, Max Planck Institute, Erlangen, Germany
    "Microresonator soliton frequency combs” (Invited Talk) June 2018
19. ePIXfab Silicon Photonics Summer School, Ghent, Belgium
    “Cavity quantum optomechanics” (Invited Lecture) June 2018
20. Photonic Packaging Sub-micron Assembly, Fraunhofer IZM, Berlin, Germany
    “Photonic integrated soliton frequency combs” (Invited talk) June 2018
21. AFOSR, Program Review Meeting, Arlington, USA
    “Exploring Temporal Soliton Physics in Micro-Resonator Frequency Combs” (Invited Talk) June 2018
22. ECIO 2018, 20th European Conference on Integrated Optics, Valencia, Spain
    “Optical frequency combs: technologies for generation and applications” (Invited talk) May 2018
23. QSIT-Quantum Systems and Technology, Monte Verita, Switzerland
    “Quantum optomechanics with nanomechanical oscillators” (Invited talk) May 2018
24. 3rd Q-MAC Symposium, Frontiers in Quantum Materials’ Control, Venice, Italy
    “Quantum optomechanics with nanomechanical oscillators” (Invited talk) May 2018
25. CLEO 2018, San Jose, USA
    “Cavity Optomechanics: Fundamentals and Applications of Controlling and Measuring Nano- and Micro-mechanical Oscillators with Laser Light” (Short Course) May 2018
26. EPFL-MicroNanoFabrication Annual Review Meeting, Lausanne, Switzerland
    “Quantum optomechanics and optical frequency combs with microresonators” (Invited talk) May 2018
27. DPS Spring Meeting and EPS-CMD27, Berlin, Germany
    “Exploring the limits of position measurement with optomechanics” (Invited talk) March 2018
28. DARPA DODOS, Boulder, USA

29. GRC, Ventura, USA
   "Quantum Effects in Interferometric Position Measurements of Nanomechanical Oscillators" (Invited talk) Feb. 2018

30. Frontiers of Circuit QED and Optomechanics, Vienna, Austria
   “Engineered dissipation for amplification, masing and nonreciprocal devices” (Invited talk) Feb. 2018

31. OMT-HOT 2018 Annual Meeting, Gstaad-Saanen, Switzerland
   “Quantum effects in interferometric position measurements of nanomechanical oscillators” (Invited talk) Jan. 2018

32. Department of Defense Basic Research Forum, Arlington, USA
   “Ultra high Q microresonator Physics: Chipscale Soliton Frequency Combs” (Invited talk) Dec. 2017

33. Complexity in Nonlinear Photonics, Como, Italy
   “Dissipative temporal solitons on optical microresonators” (Invited talk) Sept. 2017

34. Group IV Photonics 2017, Berlin, Germany
   “Frequency Combs and Quantum Optomechanics with High Q Optical Microresonators” (Plenary talk) Aug. 2017

35. Monte Verita 17, Ascona, Switzerland
   “Quantum limits of interferometric position measurements” (Invited talk) Aug. 2017

36. DARPA DSO PULSE program review meeting, Arlington, USA
   “Pure Microwave Radiation Extraction from Frequency Combs – Pure Comb (Microresonators)” July 2017

37. ISUPT 2017, Southampton, UK
   “Soliton Kerr frequency combs: fundamentals and applications in coherent communication” (Plenary talk) July 2017

38. PhD summer school on Quantum Technology (QNLO), Copenhagen, Denmark
   “Chipscale Soliton Kerr Frequency Combs for Metrology and coherent Telecommunications” (Invited Lecture) June 2017

39. Quantum cavities 17, Jouvenex, Quebec
   “Reservoir engineering of mechanical oscillators for Amplification, Masing and Nonreciprocal devices” (Invited Talk) June 2017

40. AFSOR, Arlington, USA
   “Exploring Temporal Soliton Physics in Micro-Resonator Frequency Combs” (Invited Talk) May 2017

41. CLEO 2017, San Jose, USA
   “Force Metrology Using Quantum Correlations of Light Generated Due to a Room temperature” (Invited talk) May 2017

42. 1st Meeting of the SET-ET-101 on “Mobile Quantum Sensors for Navigation, Timing and Gravitation”
   “Quantum sensor related technology development and interests in Switzerland” (Invited Talk) Apr. 2017

43. DARPA DODOS-CORES, Boulder, USA

44. 636. WE-Heraeus-Seminar, Bad Honnef, Germany
   “Quantum-Limited Metrology and Sensing” (Invited Talk) Feb. 2017

45. DARPA PULSE Review Meeting, Arlington, USA

46. DARPA SCOUT Review Meeting, Boulder, USA
   “Spectral Combs from UV to THz” (Invited Talk) Jan. 2017

47. Graphene Division 3 Meeting
   “2-D material functionalized microresonators” Dec. 2016

48. Menlo Systems OFC User Seminar
   “Microresonator-based optical frequency combs” (Invited Talk) Nov. 2016

49. 2016 Frontiers in Optics / Laser Science Meeting, Rochester, USA

50. DARPA PULSE Review Meeting

51. DARPA QuASAR Final Review Meeting, Arlington, USA

52. ECAMP 12, European Conference on Atoms, Molecules, and Photons, Frankfurt, Germany
   “Measurement and Control of a nanomechanical oscillator at the thermal decoherence rate” (invited Talk) Sept. 2016

53. DARPA DODOS, Boulder, USA

54. DARPA SCOUT Review Meeting, Boulder, USA
   “Spectral Combs from UV to THz” (Invited Talk) Aug. 2016

55. CLEO 2016, San Jose, USA
"Cavity Optomechanics: Fundamentals and Applications of Controlling and Measuring Nano- and Micro-mechanical Oscillators with Laser Light" (invited Talk)

56. AFOSR Review Meeting, Arlington, USA
   “Ultrashort Pulse Laser-Matter Interactions” (invited Talk)

   “The Science and Applications of high Q optical microresonators in frequency metrology and quantum optomechanics” (Plenary Talk)

58. IEEE IFCS 16 International Frequency Control Symposium, New Orleans, USA
   “Cavity Quantum Optomechanics” (Tutorial)

59. DARPA DODOS-CORES Review Meeting
   “Direct On-chip Digital Optical Synthesis” (Invited Talk)

60. DARPA PULSE Review Meeting, Orlando, USA
   “Program in Ultrastar Laser Science and Engineering” (Invited Talk)

61. Photonic West 2016, San Francisco, USA
   “Recent advances in cavity Optomechanics” (Invited Talk)

62. DARPA SCOUT Review Meeting, Boston, USA
   “Mid infrared optical frequency combs” (Invited Talk)

63. ISNRT 2015 Inter. Symposium on Nanoscale Transport and Technology, Japan
   “Cavity optomechanics: measurement and control of nanomechanical oscillator at the thermal decoherence rate” (invited Talk)

64. Optical Frequency Combs for Space applications, Caltech, USA
   “Soliton microresonator based optical frequency combs” (Invited Talk)

65. DARPA QuASAR Review Meeting, Santa Barbara, USA
   “Quantum Assisted Sensing And Readout” (Invited Talk)

66. Photonic in Switching, Florence, Italy
   “Soliton Cherenkov radiation based optical frequency combs using a chip scale micro-resonator” (Invited Talk)

67. ITQW 2015, Workshop on Frequency Combs Technology and Applications, Wien, Austria
   “The Science of Optical Microresonators: Chipscale Optical Frequency Combs”

68. Quantum optomechanics & nanomechanics, Les Houches, Summer School, France
   “Cavity Optomechanics with optical microresonators” (Invited Talk)

69. NIM Resonator Conference on QED 2015, Munich, Germany
   “Quantum effects in interferometric position measurements” (Invited Talk)

70. ICQT 2015, Moscow, Russia
   “Measurement and control of a nanomechanical oscillator at the thermal decoherence rate” (Invited Talk)

71. NCCR QSIT Meeting, Monte Verità, Switzerland
   “Quantum Systems and Technology” (Chair Session)

72. AFOSR PULSE Review Meeting, Arlington, USA
   “Ultrashort Pulse Laser-Matter Interactions” (invited Talk)

73. CLEO 2015, Shortcourse San Jose, USA
   “Cavity Optomechanics: Fundamentals and Applications of Controlling and Measuring nano- and Micro-mechanical Oscillators with Laser light” (Course Instructor)

74. DARPA DODOS Kick-Off Meeting, San Diego, USA
   “Direct On-chip Digital Optical Synthesis” (invited Talk)

75. DARPA QuASAR Review Meeting, Cambridge, USA
   “Quantum Assisted Sensing And Readout” (Invited Talk)

76. SPIE Photonic West San Francisco, USA
   “Mid-IR frequency comb generation based on crystalline microresonators” (invited Talk)

77. SPIE Photonic West San Francisco, USA
   “On chip temporal solitons and coherent dispersive waves in SiN optical micro resonators for octave spanning frequency combs” (invited Talk)

78. DARPA PULSE Review Meeting
   “Program in Ultrafast Laser Science and Engineering” (Invited Talk)

79. iQuoems Review Meeting, Brussels, Belgium
   “RF to optical conversion with W6M resonators” (Invited Talk)

80. 576. WEH-Seminar Designed Quantum State of Matter, Bad-Honnef, Germany
   "Measurement and control of a mechanical oscillator at its thermal decoherence rate” (Invited Talk)

81. RQC Seminar, Russian Quantum Center, Moscow, Russia
   “Cavity Quantum Optomechanics with Optical Microresonator” (Invited Talk)
<table>
<thead>
<tr>
<th>No.</th>
<th>Event Name</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>82</td>
<td>MSU- Moscow State University, Moscow, Russia</td>
<td>Nov. 2014</td>
</tr>
<tr>
<td>83</td>
<td>DARPA PULSE Review Meeting, Ithaca, USA</td>
<td>Nov. 2014</td>
</tr>
<tr>
<td>84</td>
<td>NOEKS Nonlinear Optics and Excitation Kinetics in Semiconductors, Bremen, Germany</td>
<td>Sept. 2014</td>
</tr>
<tr>
<td>85</td>
<td>QThYES 2014, Strasbourg Quantum Technology Hybrid Emitter, Strasbourg, France</td>
<td>Sept. 2014</td>
</tr>
<tr>
<td>86</td>
<td>ECOC 2014, European Conference on Optical Communication, Cannes, France</td>
<td>Sept. 2014</td>
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<tr>
<td>87</td>
<td>EOSAM, European Optical Society, Grand Challenges of Photonics, Berlin, Germany</td>
<td>Sept. 2014</td>
</tr>
<tr>
<td>88</td>
<td>DARPA ORCHID Review Meeting, Boulder, USA</td>
<td>Sept. 2014</td>
</tr>
<tr>
<td>89</td>
<td>KSOP Summerschool, Bad Herrenalb, Germany</td>
<td>Sept. 2014</td>
</tr>
<tr>
<td>90</td>
<td>ICO-23 Enlightening the Future, Santiago, Spain</td>
<td>Aug. 2014</td>
</tr>
<tr>
<td>91</td>
<td>Gordon Research Conference on Plasmonics, Newry, USA</td>
<td>Jul. 2014</td>
</tr>
<tr>
<td>92</td>
<td>E-MRS Spring Meeting Phonons and fluctuations in low dimensional structures</td>
<td>May 2014</td>
</tr>
<tr>
<td>93</td>
<td>Molecular Nanosystems Workshop, Ascona, Switzerland</td>
<td>Apr. 2014</td>
</tr>
<tr>
<td>94</td>
<td>DARPA DODOS-CORES review Meeting, Arlington, USA</td>
<td>Apr. 2014</td>
</tr>
<tr>
<td>95</td>
<td>Gordon Research Conference, Ventura, USA</td>
<td>Mar. 2014</td>
</tr>
<tr>
<td>96</td>
<td>DARPA PULSE Winter Review, Austin, USA</td>
<td>Feb. 2014</td>
</tr>
<tr>
<td>97</td>
<td>DARPA Quasar / ORCHID Review, Long Beach, USA</td>
<td>Jan. 2014</td>
</tr>
<tr>
<td>100</td>
<td>DARPA DODOS-CORES Workshop, Denver, USA</td>
<td>Dec. 2013</td>
</tr>
<tr>
<td>101</td>
<td>Swiss Kyoto Symposium, Zurich, Switzerland</td>
<td>Nov. 2013</td>
</tr>
<tr>
<td>103</td>
<td>OECs, Conference on the Optics of Excitons in Confined Systems, Rome, Italy</td>
<td>Sept. 2013</td>
</tr>
<tr>
<td>105</td>
<td>DARPA Quasar / ORCHID Review, Santa Cruz, USA (Invited Talks)</td>
<td>Aug. 2013</td>
</tr>
<tr>
<td>107</td>
<td>CLEO, San Jose, USA</td>
<td>Jun. 2013</td>
</tr>
<tr>
<td>108</td>
<td>PPM2013: Photonics, Plasmonics &amp; Magneto-Optics Conference, Bilbao, Spain</td>
<td>Apr. 2013</td>
</tr>
</tbody>
</table>
“Quantum coherent coupling between a Mechanical oscillator and an optical mode” *(Invited Talk)*

110. UltrafastOptics UFO IX, Davos, Switzerland
“Soliton mode locking in microresonator based optical frequency combs” *(Invited Talk)*

111. FRISNO-12 Symposium on Non-linear & Quantum Optics, Ein Gedi, Israel
“Exploring the coupling of light and micro- and nanomechanical oscillators” *(Invited Talk)*

112. ITN cQOM Workshop, Diavolezza, Switzerland
“Dynamical backaction in cavity optomechanics” *(Invited Talk)*

113. NCCR QSIT Student school, Arosa, Switzerland
“Cavity opto-mechanics” *(Invited Talk)*

114. WE Heraeus Seminar on Hybrid quantum Systems, Bad Honnef, Germany
“Cavity optomechanics: exploring the coupling of light and micro- and nanomechanical oscillators” *(Invited Talk)*

115. Quantum Noise & Measurement in Engineered Electronic Systems, Dresden, Germany
“Quantum coherent coupling of a mechanical oscillator to a cavity mode” *(Invited Talk)*

116. ECOC 2012 – CLEO Focus, Amsterdam, Netherlands
“Chip scale optical frequency comb” *(Invited Talk)*

117. Quantum Nano Optics, Barcelona, Spain
“Quantum coherent coupling of light and mechanical oscillators” *(Invited Talk)*

118. PHOTON 12, Durham, UK
“Cavity optomechanics: Quantum coherent coupling of light and mechanical motion” *(Invited Talk)*

119. DARPA QuASAR/ ORCHID Review Meeting, San Diego, USA *(Invited talks)*
“Coherent quantum coupling of light and mechanical motion”
“Chip scale frequency combs”

120. ICAP 2012, Paris, France
“Cavity optomechanics: Quantum coherent coupling of light and mechanical motion” *(Invited Talk)*

121. From Solid State to Biophysics, Dubrovnik, Croatia
“Mechanics in the Quantum regime: Cavity Optomechanics” *(Invited Talk)*

122. DAMOP 2012, Anaheim, USA
“Cavity optomechanics: Quantum coherent coupling of light and mechanical motion” *(Invited Talk)*

123. Swiss NanoConvention, Nano for Photonics, Lausanne, Switzerland
“Cavity optomechanics: Quantum coherent coupling of light and mechanical motion” *(Invited Talk)*

124. CLEO, San Jose, USA
“Cavity Optomechanics” *(Shortcourse)*
“Microresonator based optical frequency combs” *(Invited Talk)*

125. International OSA network of Students (IONS) 2012, Karlsruhe, Germany
“Cavity Optomechanics” *(Keynote Talk)*

126. Boulder Research Seminar on OEQS, Boulder, USA
“Quantum coherent coupling of a mechanical oscillator to a cavity mode” *(Invited Talk)*

127. GRC – Mechanical Systems in the quantum Regime, Houston, USA
“Quantum coherent coupling of a mechanical oscillator to a cavity mode” *(Invited Talk)*

128. DARPA QuASAR Review Mtg, Boulder, USA
“Chip scale frequency combs” *(Invited Talk)*

129. Diavolezza 2012, Diavolezza, Switzerland
“Cavity optomechanics: Quantum coherent coupling of light and mechanical motion” *(Invited Talk)*

130. NCCR QSIT general Meeting, Arosa, Switzerland
“Cavity optomechanics: Quantum coherent coupling of light and mechanical motion” *(Invited Talk)*

131. ITAMP/HQOC Seminar
“Quantum coherent coupling of light and mechanical motion” *(Invited Talk)*

132. Frontiers in Quantum Photon Science, Hamburg, Germany *(Invited talk)*

133. Heraeus Seminar on Macro- and Micro Cavities, Bad Honnef, Germany
“Coherent coupling of light and mechanical motion” *(Invited talk)*

134. 4th ESA Conference on Atomic Clocks in Space, Bari, Italy
“Chip-scale optical frequency combs” *(Invited talk)*

135. Engineering and Control of Quantum Systems, Dresden, Germany
“Cavity Optomechanics: Coherent coupling of light and mechanical motion” *(Invited talk)*

136. Quantum to Classical Crossover in Mechanical Systems, Leiden, Netherlands
“Coherent coupling of light and mechanical motion” *(Invited talk)*
<table>
<thead>
<tr>
<th>No.</th>
<th>Event Description</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>137</td>
<td>The 11th international conference on intersubband transitions, Sardegna, Italy</td>
<td>Oct. 2011</td>
</tr>
<tr>
<td>138</td>
<td>DARPA QuASAR/ ORCHID Review meeting, San Diego, USA <em>(Invited talks)</em></td>
<td>Aug. 2011</td>
</tr>
<tr>
<td></td>
<td>“Coherent quantum coupling of light and mechanical motion”</td>
<td></td>
</tr>
<tr>
<td></td>
<td>“Chip scale frequency combs”</td>
<td></td>
</tr>
<tr>
<td>139</td>
<td>Optique Marseille, Marseille, France</td>
<td>June 2011</td>
</tr>
<tr>
<td></td>
<td>“Cavity optomechanics” <em>(Plenary talk)</em></td>
<td></td>
</tr>
<tr>
<td>140</td>
<td>EGAS Conference, Fribourg, Switzerland</td>
<td>June 2011</td>
</tr>
<tr>
<td></td>
<td>“Cavity optomechanics” <em>(Plenary talk)</em></td>
<td></td>
</tr>
<tr>
<td>141</td>
<td>Gordon Research Conference for Atomic Physics, Vermont, USA</td>
<td>June 2011</td>
</tr>
<tr>
<td></td>
<td>“Cavity optomechanics” <em>(Invited talk)</em></td>
<td></td>
</tr>
<tr>
<td>142</td>
<td>Nanotera Workshop, Neuchatel, Switzerland</td>
<td>June 2011</td>
</tr>
<tr>
<td></td>
<td>“Chipscale optical frequency combs” <em>(Invited talk)</em></td>
<td></td>
</tr>
<tr>
<td>143</td>
<td>CLEO Europe / Laser conference, Munich, Germany</td>
<td>May 2011</td>
</tr>
<tr>
<td></td>
<td>“Measuring nanomechanical motion with an imprecision below the SQL”</td>
<td></td>
</tr>
<tr>
<td>144</td>
<td>EFTF Meeting, San Francisco, USA</td>
<td>May 2011</td>
</tr>
<tr>
<td></td>
<td>“Chipscale optical frequency combs” <em>(Invited talk)</em></td>
<td></td>
</tr>
<tr>
<td>145</td>
<td>CLEO/QELS, Baltimore, USA</td>
<td>May 2011</td>
</tr>
<tr>
<td></td>
<td>“Cavity Optomechanics” <em>(Shortcourse)</em></td>
<td></td>
</tr>
<tr>
<td>146</td>
<td>ESTEC Meeting, Amsterdam, Noordwijk, Netherlands</td>
<td>April 2011</td>
</tr>
<tr>
<td></td>
<td>“Chip scale optical frequency combs” <em>(Invited talk)</em></td>
<td></td>
</tr>
<tr>
<td>147</td>
<td>ITAMP Workshop, Harvard University, Cambridge, USA</td>
<td>Mar. 2011</td>
</tr>
<tr>
<td></td>
<td>“Cavity Optomechanics” <em>(Invited talk)</em></td>
<td></td>
</tr>
<tr>
<td>148</td>
<td>Crans Montana Quantum Nanoscience Winterschool, Sion, Switzerland</td>
<td>Mar. 2011</td>
</tr>
<tr>
<td></td>
<td>“Cavity Optomechanics” <em>(Invited talk)</em></td>
<td></td>
</tr>
<tr>
<td>149</td>
<td>MINOS Review meeting, Paris, France</td>
<td>Feb. 2011</td>
</tr>
<tr>
<td></td>
<td>“Cavity Optomechanics” <em>(Invited talk)</em></td>
<td></td>
</tr>
<tr>
<td>150</td>
<td>University of Ghent, Ghent, Belgium</td>
<td>Feb. 2011</td>
</tr>
<tr>
<td></td>
<td>“Chip scale optical frequency combs” <em>(Invited talk)</em></td>
<td></td>
</tr>
<tr>
<td>151</td>
<td>Photonics West 2011, San Francisco, USA <em>(Invited talks)</em></td>
<td>Jan. 2011</td>
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<tr>
<td></td>
<td>“Cavity Optomechanics&quot;</td>
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<tr>
<td></td>
<td>“Laser cooling of a mechanical oscillator close to the ground state”</td>
<td></td>
</tr>
<tr>
<td>152</td>
<td>NCCR Quantum Engineering Workshop, Arosa Switzerland</td>
<td>Jan. 2011</td>
</tr>
<tr>
<td></td>
<td>“Laser cooling of a mechanical oscillator close to the ground state” <em>(Invited talk)</em></td>
<td></td>
</tr>
<tr>
<td>153</td>
<td>19th Australian Institute of Physics Congress, Melbourne, Australia</td>
<td>Dec. 2010</td>
</tr>
<tr>
<td></td>
<td>“Cavity Optomechanics” <em>(Plenary talk)</em></td>
<td></td>
</tr>
<tr>
<td>154</td>
<td>EOS Meeting, Paris, France</td>
<td>Nov. 2010</td>
</tr>
<tr>
<td></td>
<td>“Octave spanning optical frequency comb” <em>(Invited talk)</em></td>
<td></td>
</tr>
<tr>
<td>155</td>
<td>Frontiers in Optics, Rochester, USA</td>
<td>Nov. 2010</td>
</tr>
<tr>
<td></td>
<td>“Quantum measurements and cooling of micromechanical motion” <em>(Invited talk)</em></td>
<td></td>
</tr>
<tr>
<td>156</td>
<td>Fachbeirat, Max Planck Institute of Quantum Optics, Garching, Germany</td>
<td>Oct. 2010</td>
</tr>
<tr>
<td></td>
<td>“Cavity Optomechanics with microresonators” <em>(Invited talk)</em></td>
<td></td>
</tr>
<tr>
<td>157</td>
<td>Wissenschafts-Konferenz Konferenz &quot;Aufbruch nach Europa?&quot; Berlin, Germany</td>
<td>Sept. 2010</td>
</tr>
<tr>
<td></td>
<td>“Impuls-statement: Der Europäische Forschungsraum als Arbeitsmarkt und die Attraktivität des Wissenschaftsstandortes Deutschland - Perspektiven von Wissenschaftlerinnen und Wissenschaftlern”</td>
<td></td>
</tr>
<tr>
<td>158</td>
<td>Summer School &quot;Nanophotonics meets Quantum Optics&quot;, Bad Honnef, Germany</td>
<td>Sept. 2010</td>
</tr>
<tr>
<td></td>
<td>“Quantum Measurements and Cooling of Mechanical Motion” <em>(Tutorial)</em></td>
<td></td>
</tr>
<tr>
<td>159</td>
<td>Workshop on Nano-opto-electro-mechanical systems (ICTP), Trieste, Italy</td>
<td>Sept. 2010</td>
</tr>
<tr>
<td></td>
<td>“Quantum measurements with optical microresonators” <em>(Invited talk)</em></td>
<td></td>
</tr>
<tr>
<td>160</td>
<td>Summer School on Nano-Photonics, Bad Herrenalb, Germany</td>
<td>Aug. 2010</td>
</tr>
<tr>
<td></td>
<td>“Summerschool lectures on “Cavity Optomechanics”</td>
<td></td>
</tr>
<tr>
<td>161</td>
<td>Quantum and Nonlinear Optics at the Sandbjerg Estate, Denmark</td>
<td>Aug. 2010</td>
</tr>
<tr>
<td></td>
<td>“Summerschool lectures on “Cavity Optomechanics”</td>
<td></td>
</tr>
<tr>
<td>162</td>
<td>2010 OSA Optics &amp; Photonics Congress, Karlsruhe, Germany</td>
<td>June 2010</td>
</tr>
<tr>
<td></td>
<td>“Monolithic Frequency Comb on a Chip” <em>(Invited talk)</em></td>
<td></td>
</tr>
<tr>
<td>163</td>
<td>Third Casimir Research school meeting, Arnemuiden, Netherlands</td>
<td>June 2010</td>
</tr>
<tr>
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<td>“Summerschool lecture on “Cavity Optomechanics”</td>
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164. Hybrid Quantum Systems Workshop, Heidelberg, Germany  
“Cavity optomechanics” *(Invited talk)*  
May 2010

165. Quantum Caves, Montréal, Canada  
“Quantum Measurements using Optical Microresonators” *(Invited talk)*  
April 2010

166. Frontiers in Photonics and Quantum Optics, ETH Zurich, Switzerland  
“Cavity optomechanics using microresonators” *(Invited Seminar)*  
Dec. 2009

167. ESA Workshop on optical atomic clocks, Friscati, Italy  
“Chip scale frequency combs” *(Invited Talk)*  
Oct. 2009

168. Frontiers in Optics, San Jose, USA  
“Cavity Optomechanics: The Physics of Backaction” *(Invited Talk)*  
Oct. 2009

169. Nanoscience Initiative Munich NIM Workshop, Munich, Germany  
“Cavity Optomechanics: The Physics of Backaction” *(Invited Talk)*  
Oct. 2009

170. LEOS Annual Meeting 2009, Antalya, Turkey  
“Cavity Optomechanics: The Physics of Backaction” *(Invited Talk)*  
Oct. 2009

171. Micro- and Nanoengineering Conference MNE 2009, Gent, Belgium  
“Cavity Optomechanics: The Physics of Backaction” *(Keynote Talk)*  
Sept. 2009

172. Quantum Information Processing, Herrsching, Germany  
“Cavity Optomechanics at the Micro and Nanoscale” *(Invited Talk)*  
July 2009

173. Helmholtz Symposium Award Ceremony (Brandenburgische Akademie der Wissenschaften), Berlin, Germany  
“Optische Frequenzkaemme auf einem Chip”  
June 2009

174. Nanoscience Conference, Tremblay, France  
“Cavity Optomechanics at the Micro and Nanoscale” *(Invited Talk)*  
June 2009

175. Quantum Engineering Workshop, Monte Verita, Switzerland  
Cavity Optomechanics at the Micro and Nanoscale” *(Invited Talk)*  
June 2009

176. ICOLS, Kussharo, Hokkaido, Japan  
“Cavity Optomechanics” *(Invited Talk)*  
June 2009

177. Joint Meeting of the European Frequency and Time Forum, Besançon, France  
“Monolithic Microwave Repetition Rate Optical Frequency Combs”  
Apr. 2009

178. DPG Meeting Dresdner, Germany  
“Cavity Optomechanics using microresonators” *(Invited Talk)*  
Mar. 2009

179. Trends in Nanoscience, Kloster Irsee, Germany  
“Cavity Optomechanics: Backaction Cooling of Mechanical Motion” *(Invited Talk)*  
Mar. 2009

180. Zurich Physics Colloquium, ETH Zurich, Switzerland  
“Cavity Optomechanics: Backaction-Cooling of Mechanical Oscillators” *(Seminar)*  
Jan. 2009

181. Photonics West, San Jose, USA  
“Laser Cooling of a Mechanical Oscillator” *(Invited talk)*  
Jan. 2009

182. Photonics West, San Jose, USA  
“Cavity Optomechanics” *(Invited talk)*  
Jan. 2009

183. Nanometa 2009, Seefeld, Austria  
“Cavity Optomechanics” *(Invited talk)*  
Jan. 2009

184. Workshop Control of Quantum Correlations in Matter, Germany  
“Cavity Optomechanics” *(Invited talk)*  
Dec. 2009

185. AMO Annual Meeting, Lunteren, Netherlands  
“Cavity Optomechanics : Laser Cooling of Mechanical Oscillators” *(Invited talk)*  
Oct. 2008

186. 7th Symposium on Frequency Standards and Metrology, CA, USA  
“Chip Scale Frequency Combs” *(Invited talk)*  
Oct. 2008

187. Conference on Laser and Electrooptics (CLEO), San Jose, USA  
“Full stabilization of a microresonator frequency comb” *(Invited talk)*  
May 2008

188. Conference on Laser and Electrooptics (CLEO), San Jose, USA  
“Resolved sideband cooling of a mechanical oscillator” *(Invited talk)*  
May 2008

189. NIM Workshop, Munich, Germany  
“Cavity Optomechanics” *(Invited talk)*  
Sept. 2009

190. NCCR Quantum Photonics General Assembly, Ovnaraz, Switzerland  
“Cavity Optomechanics” *(Invited talk)*  
Sept. 2009

191. ICAP Conference 2008, Storrs, USA  
“Laser Cooling of Mechanical Oscillators” *(Invited talk)*  
July 2008

192. OSA Topical Meeting, COTA, Boston, USA  
July 2008
“Monolithic Optical Frequency Comb Generator” (Invited talk)
193. Gordon Research Conference: Mechanical Systems at the Quantum Limit
   “Resolved Sideband Cooling of a Mechanical Oscillator” (Invited talk) Feb. 2008
194. Photonics West, USA
   “Monolithic Optical Frequency Comb Generator” (Invited talk) Jan. 2008
195. LEOS Winter Topical, Italy
   “Monolithic Optical Frequency Comb Generator” (Invited talk) Jan. 2008
196. Frontiers in Optics Meeting, San Jose, USA
   “Laser Cooling of a Mechanical Oscillator” (Invited talk) Sept. 2007
197. Frontiers in Optics Meeting, San Jose, USA
   “Monolithic Optical Frequency Comb Generator” (Invited talk) Sept. 2007
198. OSA Nonlinear Optics Meeting, Kona, Hawaii
   “Frequency Comb Generation from a monolithic microcavity” (Invited talk) Aug. 2007
199. LEOS Summer Topical, Portland, USA
   “Monolithic Optical Frequency Comb Generator” (Invited talk) July 2008
200. ITAMP Workshop, Harvard University, Cambridge, USA
   “Laser Cooling of a Mechanical Oscillator” (Invited talk) May 2007
201. CLEO Conference, Baltimore, Maryland, USA
   “Laser Cooling of a Mechanical Oscillator” (Invited talk) May 2007
202. CLEO Conference, Baltimore, Maryland, USA
   “Frequency Comb Generation from a monolithic microcavity” May 2007
203. European Meeting of the Materials Research Society, Nice, France
   “Demonstration of an Erbium doped microlaser on a chip” (Invited talk) June 2006
204. CLEO Conference, Los Angeles, USA
   “Demonstration of an Erbium doped microlaser on a chip” June 2006
205. Meeting of the Materials Research Society, San Francisco, USA
206. Cold Atoms meet Solid State (CatCom Workshop), Dresden, Germany
   “Analysis of radiation pressure induced micromechanical oscillations” June 2006

PHYSICS COLLOQUIA GIVEN AT UNIVERSITIES

207. Humboldt University Berlin, Germany, Dec. 2018
208. Stanford University, Ginzton Laboratory Seminar, May 2018
209. PSI Villigen, Switzerland, Quantum Technologies Colloquium (Dr. Hans-Christian Sigg), April 2018
211. Stuttgart, Physics Colloquium, June 2016
212. Yale Physics Colloquium, Yale (Prof. M. Devoret) June 2016
213. FU Berlin University cavity-Optomechanics Symposium Nov. 2015
214. FU Berlin University Colloquium, Germany, (Prof. P. Brouwer) June 2015
215. Cambridge University, AMOP Seminar, UK (AMOP Group) March 2015
216. University of Konstanz physics Colloquium, Germany (Prof. E. Weig) June, 2014
217. Technische Universität Darmstadt, Physics Colloquium, Darmstadt, Germany (Prof. G. Alber) Feb. 2014
218. University of Innsbruck, Physics Colloquium, Austria (Prof. H. Nügler) Jan. 2014
219. Cambridge Graphene Centre, Cambridge, UK (Prof. T. Hasan) June 2013
220. University of Magdeburg, Physics Colloquium, Germany, (Prof. Wietsig) July 2012
221. College de France Seminar, France, (Prof. Devoret), June 2012
223. NIST, Maryland, USA, (Dr. Salamon), Nov. 2011
224. Joint Quantum Sciences Institute, University of Maryland (Dr. Salamon), Maryland, USA, Nov. 2011
225. University of Geneva, Switzerland (Prof. Gisin), Nov. 2011
226. University of Erlangen, Germany (Prof. Sandoghdar), June 2011
227. University of Ghent, Belgium (Prof. R. Baets), Feb. 2011
228. University of Duesseldorf, Germany (Prof. Schiller), Nov. 2010
229. University of Neuchatel, Switzerland (Prof. Thomann) Nov. 2010
230. University of Fribourg, Switzerland, Nov. 2010
231. Aarhus University, Aarhus, Denmark, (Prof. Moelmer) June 2010
232. LPN-CNRS, Marcoussis, France, (Dr. Robert), June 2010
233. Tyndal College Seminar, Cork, Ireland, May 2010
234. AMOLF Institute, Amsterdam, Netherlands (Prof. Polman), Feb. 2010
235. College de France (Prof. Haroche), Jan. 2010
236. Max Planck Institute of Solid State Physics, (Prof. Kern), Jan. 2010
237. Mainz University, (Prof. Rauschenbeutel), Jan. 2010
238. University of Karlsruhe (Prof. Kalt), May 2009
239. University of Stuttgart, (Prof. Giessen), Apr. 2009
240. ETH Zurich, (Prof. Imamoglu), March 2009
241. National Institute of Standards and Technology (NIST), (Scott Diddams), Jan. 2009
243. University of Bonn (Prof. Meschede), Nov. 2008
244. PTB Braunschweig, (Prof. Riedle), June 2007
245. University of Camerino, (Prof. Tombesi), Feb. 2007
246. Ludwig Maximilians University, Munich, CeNS Seminar (Prof. Kotthaus), Feb. 2007
247. University of Vienna, Institute for Quantum Information (IQI), (Dr. Aspelmeyer), Nov. 2006
248. Humboldt University Berlin, Physics Department (Prof. Benson), Nov. 2006
249. Georgia Institute of Technology, Physics Department, May 2006
250. University of Mainz, Physics Department (Prof. Bloch), March 2006
251. Technical University of Munich, Physics Department (Prof. Zwerger), March 2006
252. EPFL Lausanne, Switzerland Physics Department (Prof. Deveaud-Pledran), January 2006
253. Schloss Ringberg, Germany (retreat of T.W. Hänsch group), Sept. 2005
254. University of California, Berkeley, Physics Department (Prof. Stamper-Kurn), May 2005
255. M.I.T., Research Laboratory of Electronics, (Prof. Kaertner), March 2005
256. McGill University, EECS Department, March 2005
257. JILA (NIST), University of Colorado (Prof. Jun Ye), February 2005
258. University of Washington, Department of Electrical Engineering, Seattle, February 2005
259. Cornell University, Department of Physics, March 2005
260. Max Planck Group for Information, Optics and Photonics, Erlangen, Germany (Prof. Leuchs) Sept. 2004
261. CEA Grenoble, (Dr. J.M. Gerard), Grenoble, France, Sept. 2004
262. Laboratoire Kastler Brossel (Dr. V. Lefevre), Ecole Normale Superieur, Paris, France. March 2004
264. F.O.M. Institute AMOLF, (Prof. Albert Polman), Amsterdam, Netherlands, Feb. 2004