Invited talks and seminars

1. Polar gases: Dipolar condensates and lattice dynamics
   Workshop Quantum Science and Technology 2019,
   October 2019,
   Taiyuan (China)

2. Dynamics and localization of 1D lattice gases with power-law interactions,
   Conference Quantum Science and Technology 2019,
   October 2019,
   Xi’an (China)

3. Dynamics and localization of 1D lattice gases with power-law interactions,
   Workshop on Many-body dynamics and polar molecules,
   September 2019,
   Oxford (UK)

4. Quantum link models and ladders,
   Workshop of Dynamical gauge fields,
   June 2019
   Zurich, Switzerland

5. Polar gases from supersolids and rotons to peculiar disorder models,
   Colloquium,
   May 2019
   Heidelberg, Germany

6. Dynamics of one-dimensional lattice gases with power-law interactions,
   3rd International Symposium on ”Novel states in correlated condensed matter - from model systems to real materials”,
   March 2019
7. Disordered models with power-law hops,
   Cold Atom Workshop 2018,
   November 2018
   Bilbao, Spain

8. Rotons and peculiar disordered models,
   International Symposium on Many-body Physics and Quantum Technologies,
   October 2018
   Moscow, Russia

9. Disordered models with power-law hops,
   Conference on Quantum Simulations with Atoms and Light,
   August 2018
   Aarhus, Denmark

10. Droplets and rotons in dipolar Bose-Einstein condensates,
    Conference of Ultracold atoms in optical lattices,
    July 2018
    Cali, Colombia

11. Disordered models with power-law hops,
    Conference on Long-range interactions,
    June 2018
    Hannover, Germany

12. Droplets and rotons in dipolar Bose-Einstein condensates,
    Conference of Recent Trends in cold and ultra cold atoms,
    March 2018
    Guwahati, India
13. The world of ultra cold temperatures
   Popular talk invited by Prof. T. Mishra,
   March 2018
   Guwahati, India

14. Rotons, quantum fluctuations, and peculiar disorder models in dipolar gases
   Invited talk by Prof. R. Nath,
   March 2018,
   Pune, India

15. Droplets, rotons, and peculiar disorder models in dipolar gases
   Conference on Long-range interactions
   December 2017
   São Carlos (Brazil)

16. Droplets and rotons in dipolar Bose-Einstein condensates
   Invited talk by L. Tarruell,
   November 2017
   Barcelona (Spain)

17. Dipolar gases: droplets, rotons and peculiar disorder models
   Conference DIP-Quantum 2017,
   October 2017
   Jerusalem (Israel)

18. The physics of ultra-cold gases
   QMSC 2017 - Quantum Metrology Students Conference,
   September 2017
   Turin (Italy)

19. Quantum fluctuations in dipolar Bose-Einstein condensates
   Meeting of the Forschergruppe 2247,
   June 2017
20. Quantum fluctuations in dipolar Bose-Einstein condensates
   Invited talk by Prof. F. Ferlaino,
   March 2017
   Innsbruck (Austria)

21. Quantum fluctuations in dipolar Bose-Einstein condensates
   Conference “Quantum State Engineering 2017”,
   March 2017
   Hannover (Germany)

22. Ultra-cold dipolar gases: quantum droplets, non-equilibrium lattice dynamics, and spin transport
   Conference “Long-range interactions in the ultra-cold”,
   September 2016
   Ercolano (Italy)

23. The world of ultracold temperatures
   Popular talk (invited by Prof. Rejish Nath)
   May 2016
   Pune (India)

24. Ultra-cold dipolar gases: quantum droplets and non-equilibrium lattice dynamics
   Conference of Novel trends in Ultracold atoms
   May 2016
   Pune (India)

25. Ultra-cold dipolar gases: quantum droplets, non-equilibrium lattice dynamics, and spin transport
   Quo Vadis BEC V,
   May 2016
Bad Honnef (Germany)

26. Density-dependent gauge fields for atoms in optical lattices
   Many-body physics in synthetic quantum systems
   April 2016
   Stellenbosch (South Africa)

27. Ultra-cold dipolar gases: quantum droplets, non-equilibrium lattice dynamics, and spin transport
   Invited talk at IQOQI (by Prof. F. Ferlaino)
   February 2016
   Innsbruck (Austria)

28. Past, present, and future of dipolar gases
   Frontiers of Quantum Physics 2015
   October 2015
   Barcelona (Spain)

29. Periodically modulated interactions and density-dependent synthetic magnetism
   FINESS 2015
   September 2015
   Sopot (Poland)

30. Modulated interactions and density-dependent magnetism
    Workshop on emergence in driven solid state and cold atom systems
    September 2015
    Hamburg (Germany)

31. Density-dependent synthetic magnetism for cold gases in optical lattices
    Invited talk at University of Mainz (by Prof. F. Schmidt-Kaler)
    July 2015
Mainz (Germany)

32. Density-dependent synthetic magnetism for cold gases in optical lattices
Invited talk at the Institute of Theoretical Physics of Utrecht University (by Prof. C. de Morais Smith)
July 2015
Utrecht (The Netherlands)

33. Density-dependent synthetic magnetism for cold gases in optical lattices
ICTS Light-matter discussion meeting
December 2014
Kolkata (India)

34. Theory of dipolar gases
Course at the Enrico Fermi School
July 2014
Varenna (Italy)

35. Ultra-cold lattice gases with density-dependent hopping
Invited talk at the BEC Center in Trento
June 2014
Trento (Italy)

36. Theory of dipolar gases
Invited lectures at the BEC Center in Trento
June 2014
Trento (Italy)

37. Ultra-cold lattice gases with density-dependent hopping
Invited talk at ICFO (by Prof. M. Lewenstein)
May 2014
Barcelona (Spain)

38. Ultra-cold lattice gases with density-dependent hopping
Invited talk at the Universitat Central de Barcelona (by Dr. B. Julia-Diaz)
May 2014
Barcelona (Spain)

39. Theory of dipolar gases
Spring school on “Recent trends in quantum gases”
May 2014
Chlef (Argelia)

40. Ultra-cold lattice gases with density-depending hopping
Symposium on “Novel states in correlated condensed matter – from model systems to real materials”
April 2014
Königstein (near Frankfurt), Germany

41. Novel scenarios for quantum simulation with ultracold gases
Invited talk by Prof. G. Morigi
November 2013
Saarbrücken, Germany

42. Dipolar Bose-Einstein condensates: dBEC in optical lattices and roton-like excitations
Workshop on Long-range interactions in the ultracold
September 2013
Stuttgart, Germany

43. Trapped Bose-Einstein condensates with spin-orbit coupling
Workshop on synthetic gauge fields with atoms and photons
July 2013
44. Changing the rules of the game with the dipole-dipole interactions: from dipolar condensates to quantum magnetism in optical lattices
   Gordon Conference on Atomic Physics 2013
   June 2013
   Newport, Rhode Island (US)

45. Polar molecules in one-dimensional optical lattices
   Conference on ”New Science with ultra-cold molecules”
   March 2013
   Santa Barbara (USA)

46. Novel features of dipolar Bose-Einstein condensates
   FINESS 2013 Conference
   February 2013
   Queenstown (New Zealand)

47. Novel scenarios for atoms in optical lattices
   Workshop on “Pushing the boundaries with cold atoms”
   January, 2013
   Stockholm (Sweden)

48. Dipolar quantum gases
   Invited talk at IISER by Dr. S. Sinha
   December, 2012
   Kolkata (India)

49. Novel scenarios for ultra-cold lattice gases
   Invited talk by Prof. G. Juzeliunas
   October, 2012
   Vilnius (Lithuania)
50. Ultracold dipolar gases in optical lattices
   International Conference on Quantum Gases of Polar Molecules and
   Magnetic Atoms,
   August, 2012
   Beijing (China)

51. Novel scenarios for ultra-cold lattice gases
   Conference Quo vadis BEC? IV,
   August, 2012
   Bad Honnef (Germany)

52. Novel scenarios for ultra-cold lattice gases: zig-zag ladders and periodically modulated interactions
   Workshop on quantum simulations with cold atoms,
   July, 2012
   Trieste (Italy)

53. Ultra-cold (mostly) polar gases in one-dimensional optical lattices,
   Colloquium, invited by Prof. W. Hofstetter,
   January 2012,
   Frankfurt (Germany)

54. Ultra-cold spinor gases: from non-classical states of matter to synthetic gauge fields
   Colloquium, invited by Prof. M. Fleischhauer
   November 2011
   Kaiserslautern (Germany)

55. Dipolar gases in deep optical lattices
   FINES Conference
   October 2011
   Heidelberg (Germany)
56. Spinor gases in optical lattices
   FOMO Conference
   March 2011
   Obergurl (Austria)

57. Spinor and dipolar lattice gases
   Invited talk (Prof. A. Smerzi)
   BEC Center Trento (Italy) February 2011

58. Spinor quantum gases: from parametric matter-wave amplification to strongly-correlated lattice gases
   Invited talk (Prof. E. Lundh)
   University Umea (Sweden)
   February 2011

59. Dipolar quantum gases
   Invited talk (Prof. A. Pelster)
   FU Berlin (Germany)
   January 2011

60. Spinor quantum gases: from non-classical states of matter to strongly-correlated gases
   Conference on “Research Frontiers in Ultra-Cold Atomic and Molecular Gases”
   Goa (India)
   January 2011

61. Spinor quantum gases: from non-classical states of matter to strongly-correlated gases
   International Symposium on Quantum Dynamics of Ultracold Atoms and Quantum Technologies
   Guangzhou (China)
   December 2010
62. Dipolar gases in deep optical lattices
   Conference on "Cold Rydberg gases and ultracold plasmas"
   Dresden (Germany)
   September 2010

63. Following the path of optics with matter waves
   Alexander von Humboldt Forum on "Science and Society in moder Eu-
   rope"
   Vilnius (Lithuania)
   September 2010

64. Spinor quantum gases: from non-classical states of matter to strongly-
    correlated gases
   Conference on "Correlations and coherence at different scales"
   Ustron (Poland)
   September 2010

65. Spinor quantum gases: from non-classical states of matter to strongly-
    correlated gases
   Quantum technologies conference
   Torun (Poland)
   September 2010

66. Dipolar quantum gases in Hannover
   Invited talk by Prof. Tilman Pfau
   Stuttgart (Germany)
   August 2010

67. Theory of dipolar gases
   Les Houches Summer School on “Many-body physics with ultracold
   gases” (3 lectures)
   Les Houches (France)
   July 2010
68. Nonlinear phenomena in polar gases and in quasirelativistic spinor condensates
   Conference on “Nonlinear Waves–Theory and Applications”
   Beijing (China)
   June 2010

69. Parametric amplification in spinor Bose-Einstein condensates
   International WE Heraeus Research School on ”Frontiers in matter wave interferometry”
   Bad Honnef (Germany)
   June 2010

70. Ultra-cold spinor gases
   Invited talk by Prof. T. Nattermann
   Köln (Germany)
   April 2010

71. Ultra-cold spinor gases
   Invited talk by Prof. H. Kroha
   Bonn (Germany)
   April 2010

72. Nonlinear phenomena in polar gases and in quasirelativistic spinor condensates
   NLQUGAS10
   Ourense (Spain)
   April 2010

73. Artificial electromagnetism: From synthetic magnetic fields to quasirelativistic physics with cold gases
   DPG Frühjahrstagung 2010
   Hannover (Germany)
   March 2010
74. Polar gases in optical lattices
   Nordforsk Network meeting on Coherent Quantum Gases,
   Hamburg (Germany)
   December 2009

75. Dipolar gases: from spinor gases to polar molecules
   Meeting on dipolar gases
   Stuttgart (Germany)
   September 2009

76. Amplification of vacuum fluctuations in trapped spinor Bose-Einstein condensates
   Invited talk by C. Pethick
   Copenhagen (Denmark)
   May 2009

77. Amplification of vacuum fluctuations in trapped spinor Bose-Einstein condensates
   Invited talk by S. Reimann
   Lund (Sweden)
   May 2009

78. Amplification of vacuum fluctuations in trapped spinor Bose-Einstein condensates
   Invited talk by G. Modugno
   Florence (Italy)
   March 2009

79. Dipolar Bose-Einstein condensates in optical lattices
   SFB-IFRAF-ACQUAO Meeting
   Les Houches (Frande)
   February 2009
80. Multiresonant spinor dynamics in an F=2 spinor condensate  
COCOMAT Meeting  
Günzburg (Germany),  
December 2008

81. New scenarios in the physics of ultra cold gases  
Conference on New trends in the manipulation of atoms and photons  
Shangai (China)  
October 2008

82. Nonlinear effects in dipolar Bose-Einstein condensates  
Conference 60th Birthday of G.V. Shlyapnikov  
ENS, Paris /France)  
September 2008

83. Dipolar condendates: Nonlocal nonlinearity  
Invited talk by B. Laburthe,  
Universite Paris Nord, Paris (France),  
June 2008

84. Cold atomic gases: Bose-Einstein condensation and beyond,  
Invited talk  
IFISC, Palma de Mallorca (Spain)  
June 2008

85. New scenarios in cold atomic physics,  
Hamburg University, invited by Prof. Klaus Sengstock,  
April 2008,  
Hamburg (Germany)

86. Dark solitons and vortices in dipolar Bose-Einstein condensates,  
Conference ”Nonlinear phenomena in degenerate quantum gases 2008”,  
April 2008,
87. Cold atomic gases: from Bose-Einstein condensates to strongly-correlated systems
Conference FISES’08,
March 2008,
Salamanca (Spain)

88. Dipolar gases: from nonlinear atom optics to strongly-correlated systems,
Conference on “Control of quantum correlations in tailored matter”,
October 2007,
Reisensburg (Germany)

89. Cold atomic gases: the role of interactions,
Meeting of the European Graduate colleague on Quantum interference and applications,
September 2007,
Büsüm (Germany)

90. Dipolar gases: theory Summer School on quantum phase transitions and non-equilibrium phenomena in cold atomic gases
July 2007
Trieste (Italy)

91. Kelvon-roton instability in vortex lines in dipolar Bose-Einstein condensates,
Institut Henri Poincare,
June 2007,
Paris (France)

92. Ultracold gases: from nonlinear physics to strongly-correlated systems,
Invited talk by Dr. J. Ruostekoski,
May 2007,
Southampton (U.K.)

93. Solitons and other non-linear phenomena in dipolar Bose-Einstein condensates,
Conference on nonlinear physics in periodic structures and metamaterials,
March 2007,
Dresden (Germany)

94. Ultra cold quantum gases: some possibilities of control
Workshop on condensed-matter physics with cold gases,
March 2007,
KITP, Santa Barbara, USA

95. Mott-insulator phases of coupled two-component Bose gases,
APS March Meeting 2007,
March 2007,
Denver (USA)

96. Novel effects in the physics of dipolar gases,
Invited talk by Dr. N. Barberá
February 2007,
Barcelona (Spain)

97. Mott-insulator phases in non-locally coupled dipolar gases
Meeting on disorder in quantum gases,
January 2007,
Barcelona (Spain)

98. Dipolar Bosonic Gases
379. Wilhelm und Else Heraeus-Seminar on Cold Molecules
October 2006
Bad Honnef (Germany)
99. Dipolar and Spin-3 Bose-Einstein condensates
   Meeting ICQFT’06
   August 2006
   Hangzhou (China)

100. Spin-3 Chromium Bose-Einstein condensates
     Meeting on “Cold Atoms meet condensed matter”
     March 2006
     Dresden (Germany)

101. Spin-3 Chromium Bose-Einstein condensates
     DPG Frühjahrstagung
     March 2006
     Frankfurt (Germany)

102. Chromium Bose-Einstein condensates
     European-Australian Workshop on Quantum Optics
     February 2006
     Kioloa (Australia)

103. Chromium Bose-Einstein condensates
     Invited by Prof. Yuri Kivshar
     February 2006
     Canberra (Australia)

104. Cold atomic gases in disordered optical lattices
     Minerva Quantum Optics conference
     November 2005
     Eilat (Israel)

105. Dipolar gases: theory
     Summer School on quantum phase transitions and non-equilibrium phenomena in cold atomic gases
     July 2005
106. Tutorial on ultra cold atomic gases
Conference “Control of quantum correlations and tailored matter”
July 2005
Freudenstadt (Germany)

107. Two-dimensional bright solitons in dipolar Bose-Einstein condensates
CLEO/EQEC 2005 June 2005
München (Germany)

108. Gases atómicos ultrafríos : un puente entre la óptica cuántica y la física de la materia condensada
Invited by Dr. R. Férez
March 2005
Granada (Spain)

109. Ultracold atomic gases in optical lattices: a bridge between quantum optics and condensed-matter physics
Frühjahrstagung der DPG
March 2005
Berlin (Germany)

110. Ultracold atomic gases: from nonlinear physics to lattice gases
Invited by Prof. O. Lechtenfeld
January 2005
Hannover (Germany)

111. Ultracold atomic gases in optical lattices: a bridge between quantum optics and condensed-matter physics
Invited by Prof. H. Herrmann
November 2004
Stuttgart (Germany)
112. Coupled one-dimensional atomic gases in two-dimensional optical lattices
Conference “Mesoscopic phenomena in ultracold matter: From single atoms to coherent ensembles”,
October 2004,
Dresden (Germany)

113. Strongly-correlated systems in optical lattices
Conference “Disordered Systems in cold atomic gases”,
June 2004
Hannover (Germany)

114. Strongly-correlated systems in optical lattices
Invited by Prof. R. Graham,
May 2004
Essen (Germany)

115. Strongly-correlated systems in optical lattices
Invited by Prof. A. Muramatsu,
January 2004
Stuttgart (Germany)

116. Strongly-correlated systems in optical lattices
Conference Atomic physics 2003
December 2003
Dresden (Germany)

117. Strongly-correlated systems in optical lattices
Invited by Prof. M. Oberthaler,
November 2003
Heidelberg (Germany)

118. Dynamics of one-dimensional Bose gases
Quantum Challenges II Conference
119. Dynamics of one-dimensional Bose gases  
LASPHYS’03 Conference  
August 2003  
Hamburg (Germany)

120. Introduction to the physics of ultracold atoms  
Colloquium. European Graduate College Meeting  
June 2003  
Glasgow (UK)

121. Dynamics of one-dimensional Bose gases  
Invited by Prof. M. Fleischhauer June 2003  
Kaiserslautern (Germany)

122. Ultracold atoms: From laser cooling to strongly-interacting systems  
Colloquium. Invited by Prof. A. Muramatsu  
June 2003  
Stuttgart (Germany)

123. From laser cooling to strongly-interacting systems  
Colloquium. Invited by Prof. M. Lewenstein  
May 2003  
Hannover (Germany)

124. Atomic mixtures in optical lattices  
Cold gases meeting  
May 2003  
Ringberg (Germany)
125. Dynamics of one-dimensional Bose gases
Quantum gases conference
April 2003
Gunzburg, Germany

126. Dynamics of one-dimensional Bose gases
Colloquium. Invited by Prof. G. V. Shlyapnikov
March 2003
University of Amsterdam (The Netherlands)

127. Atoms fríos en Hannover
Invited by Prof. L. Roso
February 2003
Salamanca (Spain)

128. Dipolar bosons in optical lattices
Invited by Prof. J. Walraven
September 2002
AMOLF, Amsterdam (The Netherlands)

129. Nonlinear phenomena in Bose-Einstein condensates
Non linear guided waves and its applications conference of the Optical Society of America
September 2002
Stressa (Italy)

130. Ultracold dipolar bosonic gases
IQEC Conference
June 2002
Moscow (Russia)

131. Ultracold dipolar bosonic gases
Benasque Center of Science
June 2002
Benasque (Spain)

132. Towards the Tonks gas
Invited by Prof. M. Lewenstein  
May 2002  
Hannover (Germany)

133. Dipolar bosons in optical lattices
Gittertag  
February 2002  
Stuttgart (Germany)

134. Ultracold dipolar bosonic gases
Invited by Dr. I. Bloch  
January 2002  
Max Planck Institut für Quantenoptik, München (Germany)

135. Ultracold dipolar bosonic gases
Colloquium. Invited by Prof. M. Lewenstein  
December 2001  
Universität Hannover (Germany)

136. Bose-Einstein condensation in trapped dipolar gases
Invited by Prof. W. Schleich  
Universität Ulm (Germany)  
November 2001

137. La condensación de Bose-Einstein
Invited by Prof. L. Roso  
Popular talk  
October 2001  
Salamanca (Spain)
138. Solitons and vortices in two-component Bose-Einstein condensates
   Invited by Prof. G. V. Shlyapnikov
   October 2001
   University of Amsterdam (The Netherlands)

139. Phase fluctuating Bose-Einstein condensates
   Invited by Prof. J. Walraven
   May 2001
   AMOLF, Amsterdam (The Netherlands)

140. Solitons and vortices in two component Bose-Einstein condensates
   First international workshop on “Theory of quantum gases and quantum coherence”
   June 2001
   Salerno (Italy)

141. Solitons and vortices in two component Bose-Einstein condensates
   Frühjahrstagung der DFG
   April 2001
   Berlin (Germany)

142. Solitons and vortices in two component Bose-Einstein condensates
   Invited by Prof. K. Rzążewski
   November 2000
   Warsaw (Poland)

143. Bose-Einstein condensation in trapped dipolar gases
   Invited by Prof. T. Pfau
   May 2000
   Universität Stuttgart (Germany)

144. Bose-Einstein Condensation in trapped dipolar gases
   Frühjahrstagung der DFG
   April 2000
Bonn (Germany)

145. Filamentation in cold dipolar gases
First conference on ultracold molecules
October 1999
Heidelberg (Germany)

146. Collective laser cooling of bosonic samples
Conference BEC1999
September 1999
San Feliu de Guixols (Spain)

147. Collective laser cooling of bosonic samples
Invited by Prof. K. Rzążewski
June 1999
CFT Warsaw (Poland)

148. Collective laser cooling of bosonic samples
Frühjahrstagung der DFG
April 1999
Heidelberg (Germany)

149. A "Dielectric" Mirror for atoms
IV Conference on Atom Optics and Atom Interferometry
June 1997
Oxford (UK)