

## Curriculum Vitae

Name Wolf Dietrich Carl von Klitzing  
Date and place of birth 24.03.1969, Köln  
Nationality German  
Family Married, two children

### **Education**

18/03/1997 Doctor of Philosophy (Cambridge University)  
*'Ultra-High Resolution CO<sub>2</sub> Laser Spectroscopy and Transient Line Narrowing'*  
26/01/1993 Master of Philosophy (Cambridge University)  
*'10µm CO<sub>2</sub> Laser Spectroscopy using Acousto-Optic Modulation'*  
01/09/1991 – 30/11/1996 Cavendish Laboratory, University of Cambridge (UK)  
15/03/1989 – 31/08/1991 Ludwig Maximilians Universität München

### **Languages**

Mother tongue: German  
Fluent: English, French, Greek, Dutch  
Passive: Italian, Latin

### **Positions**

01/01/2007 – present Researcher  
IESL-FORTH, Crete, Greece  
01/02/2005 – present Principal Investigator of the BEC group  
IESL-FORTH, Crete, Greece  
29/11/2017 – 28/11/2021 Chair of Atom Quantum Technologies,  
a COST action comprising 32 countries  
01/01/2014 – present Member of the Core Science Team of  
[STE-QUEST](#) an ESA M4 mission to test Einstein's  
equivalence principle in space.  
01/05/2006 – 27/04/2010 Marie-Curie Excellence Team Leader  
IESL-FORTH, Crete, Greece  
01/09/2000 – 30/09/2004 FOM-Post-doctoral Fellow in the group of  
Prof. Walraven, FOM Institute for Atomic and Molecular  
Physics (AMOLF), Amsterdam, The Netherlands  
(from 01/05/2004 at the Van der Waals Zeeman  
Institute, University of Amsterdam)

- 01/12/1999 – 31/08/2000 Marie Curie post-doctoral Fellow in the quantum-optics group of Prof. De Martini, University of Rome 1 ‘La Sapienza’, Italy
- 01/12/1996 – 30/11/1999 Marie Curie Post-doctoral Fellow in the group of Prof. Serge Haroche at the École Normale Supérieure, Paris, France

## Academic Distinctions

- 08/10/2005 ‘Certificate of Excellence’  
‘Visions for Discovery in Honor of Charles H. Townes’  
Young Scholars Competition,  
University of Berkeley
- 07/07/1999 Best poster at Laser Spectroscopy XIV international conference for ‘Green lasing in microspheres at very low pump powers’
- 01/03/1994 – 31/06/1994 Royal Society (UK), and Wolfson College Bursary

## Competitive Research Grants

### Active Grants

- 01/08/2019 – 31/07/2023 NanoLace – Future and emerging Technologies (EU)
- 01/06/2019 – 30/05/2020 ATTRACT grant CEMIC on cavity enhanced microscopy
- 01/09/2017 – 31/09/2021 Chair of the *Cost Action Quantum Technologies using Cold Atoms (AtomQT)*, a network of 37 countries
- 01/06/2017 – 31/05/2019 Scientific Coordinator of the Marie Curie Individual Fellowship of Georgos Vasilakis  
*Quantum Enhanced Sensing with Cold Atoms (QUESCA)*

### Past Grants

- 01/01/2014 – 31/12/2017 *Optical Bream Steering Technology for Complex Space Missions (OBST)*  
European Space Agency (ESA)
- 01/02/2013 – 31/07/2017 Coordinator of ICT-STREP “Joint Collaborative Task”  
*An Guided Matter-Wave Interferometer on an Atom-Chip (MatterWave)*
- 01/10/2012 – 30/09/2016 ITN Initial Networking Programme  
Quantum sensor technologies and applications (QTea)  
(36 months Ph.D., 18 months PostDoc )

01/05/2011 – 30/08/2015	ESF Research Networking Programme Common perspectives for cold atoms, semiconductor polaritons and nanoscience (POLATOM)
01/01/2005 – 31/12/2008	Transfer of Knowledge Grant of the EU (COWATIN)
01/05/2006 – 30/03/2010	Marie-Curie Excellence Grant A Guided Matter-Wave Interferometer on a Atom-Chip (MatterWaves)
01/10/2006 – 30/09/2010	Marie Curie Research Training Network Engineering, Manipulation and Characterization of Quantum States of Matter and Light (EMALI)
01/04/2008 – 30/03/2011	ESF Collaborative Research Project Quantum-Degenerate Gases for Precision Measurements EuroQUASAR (QuDeGPM)
01/10/2009 – 30/09/2011	'Mexico-Europe consortium for the development of applications in Quantum Information and Communication Technologies' FONCICYT-CONACYT fund allocation code: 94142
22/07/2012 – 27/07/2012	ESF Travel Grant.

### ***Committees, Refereeing and Editorship***

- **Reviewing for National Funding Bodies**

- *National Science Foundation (NSF)*
- *Austrian Wissenschaftsfond*

- **Reviewing for International Organisations**

- *European Metrology Research Programme 'High-level Strategic Reviewer' 2017 and Reviewer for the in 2012 and 2015*
- *EU Marie-Curie Individual Fellowships*
- *EU Marie-Curie Research and Training Networks*
- *EU Future and emerging technologies (H2020-FET-OPEN)*

- **Editorship**

- Guest Editor for the *New Journal of Physics*

- **Steering Committees of Conferences**

- Member of the Steering Committee of Frontiers of Matter Wave Optics, 2010-2021

- **Refereeing for Journals**

Physical Review Letters, Physical Review A, New Journal of Physics, Applied Physics Letters, The European Physical Journal D, Journal of Physics B, Applied Optics, Romanian Reports in Physics, Journal of Applied Physics, World Scientific Publishing, Singapore, Quantum Science and Technology, Acta Astronautica,

### ***Ph.D. Examinations***

Vienna (2017)

External Examiner for the Thesis of Lukas Mairhofer  
(University of Vienna)

Canberra (2017)

External Examiner for the Thesis of Paul B. Wigley  
(Australian National University)

Crete (2015)

Member of the Ph.D. committee for the two Ph.D.s.

Crete (2014)

Member of the three member Ph.D. committee of Panagiotis Tsotsi

Hannover (2014)

External examiner for the Ph.D. of Peter Berg (U.o.Hannover)

Crete (2013)

Member of the three member Ph.D. committee of Lykourgos Bougas

Crete (2012)

Supervisor and member of the three member Ph.D. committee of Grigory Konstantinidis

Oxford (2011)

External Examiner of the doctorate (D.Phil.) of Ben Sherlock

University for Applied Sciences Emden-Leer in Germany (2011)

External Examiner of the Diploma of Waldemar Deibel

Crete (2011)

Supervisor and member of the three member Ph.D. committee of Melina Pappa

Crete (2010)

Member of the Ph.D. committee for the three Ph.D.s:  
Dimitris Sofikitis, Giorgos Katsoprinakis, and Lukas Buchmann

Paris Nord (2007)

Rapporteur for the Ph.D. thesis of Olivier Morisot (U.o.Paris 13)

### ***Membership in Professional Organisations***

2002 –	European and German Physical Societies
2013 – 2016	Mediterranean Institute of Fundamental Physics
1997 – 2000	French Physical society

### ***Thesis Supervision and Teaching Experience***

2005 –	Supervision of
	6 Ph.D. students (U.o.Crete)
	6 M.Sc. (granted at U.o.Crete)
	1 M.Sc. (granted at Cochin University Kerala, India)
	1 Diploma (Umeå Universitet, Sweden)

	1 Diploma (Univ. of A. Sciences Emden-Leer, Germany) 5 B.Sc. students (U.o.Crete)
2016-2018	Graduate and Undergraduate Lectures on Advanced Atomic and Molecular Physics (5 ECTS)
01/11/2004	Pieter Zeeman Prize to my diploma student Tobias Tiecke for the best science diploma thesis of the University at Amsterdam in the two years 2002 and 2003
01/09/2000 – 30/09/2004	FOM-AMOLF / University of Amsterdam (Group of Prof. Walraven) Supervision of a number of trainees, diploma, and Ph.D. students
01/09/2001 – 01/09/2002	FOM-AMOLF / University of Amsterdam Official co-supervisor of a diploma student 'Bose Einstein condensation in a double magnetic well'
01/10/1997 – 31/12/1999	École Normale Supérieure, Laboratoire Kastler Brossel, Supervision of diploma and Ph.D. students
1994 – 1995	University of Cambridge, Physics Faculty, Supervision of Experimental classes II (waves)

### ***Organisation of Conferences and Summer Schools***

22/07/2019 – 23/07/2019	Co-Organiser: Workshop on Atomic Experiments for Dark Matter and Gravity Exploration Optics ( <a href="#">link</a> ) CERN
17/02/2019 – 20/02/2019	Organiser: Commercializing Atom Quantum Technologies at EQTC 2019 is the first international conference of the European Quantum Flagship, Grenoble, France
16/04/2018 – 18/04/2018	Organiser: Atom Quantum Technologies – Quo Vadis? International Workshop with 50 participants. Crete, Greece.
17/09/2018 – 22/09/2018	Organiser: International Conference and Summer School on the Frontiers of Matter-Wave Optics, FOMO-2018, Crete, Greece.
10/09/2016 – 21/09/2016	Scientific Committee and Local Organiser of the International Conference and Summer School on the Frontiers of Matter-Wave Optics, FOMO-2016, in Arcachon, Bordeaux, France.
29/09/2014 – 03/10/2014	Organiser: FOMO Summer School on Matter-Wave Interferometry, in Crete.
06/04/2010 – 11/04/2010	Organiser: International Conference and Summer School on the Frontiers of Matter-Wave Optics, FOMO-2010, in Crete.

- 23/07/2007 – 27/07/2007 Co-Organiser: Onassis Lectures on Physics on Bose Einstein Condensation  
Speakers: W. Ketterle, A. Aspect, M. Inguscio, T. Köhler, T. Pfau, C. Salomon, S. Stringari, and W. von Klitzing.
- 06/05/2007 – 11/05/2007 Local Organisation Committee: European Conference on Atomic and Molecular Physics European Physical Society (ECAMP9)
- 03/07/2006 – 12/07/2006 Co-Organiser: Physics Summer School of the University of Crete

### ***Invited Conference Talks and Seminars***

- (43) Patras, Oct. 2019 Talk at the FORTH-Science days: *Harvesting the wave-nature of atoms for quantum technologies*
- (42) Crete, Sept. 2019 Invited Seminar at the High-Energy Physics Seminar: *Matterwave Sensors for Gravitational Waves and Dark Matter*
- (41) Benasque, May. 2019 Invited plenary Talk *at the Atomtronics 2019*
- (40) Florence, April. 2019 Hot topic plenary speaker *at the 13th European Conference on Atoms Molecules and Photons (ECAMP13)*
- (39) Florence, Jan. 2018 Invited Talk at the Joint ICTP/SISSA Statistical Physics Seminar: *Hypersonic Transport of Bose-Einstein Condensates in a Neutral-Atom Accelerator Ring*
- (38) Chania, June 2018 International Conference on Space Optics: *Optical Beam Steering on distribution boards and its application for atom quantum experiments in space*
- (37) Heraklion, June 2018 The 1st Panhellenic Workshop on Quantum Technologies: *Quantum Sensing using Ultra-Cold Atoms*
- (36) Mykonos, Sept. 2017 Hybrid Photonics and Materials (HPM2017) *Matter-Wave Interferometers*
- (35) Southampton, May 2017 Physics Colloquium of the University of Southampton *The Power of the Ultra-Cold*
- (34) Benasque, May 2017 Atomtronics Workshop, Benasque (Spain) *Coherent Waveguides, Neutral Atom Accelerators and Clocks*
- (33) Mainz, March 2017 German Physical Society (DPG) Spring Meeting *Towards atomtronic matterwave interferometry (Invited 'Main Talk')*
- (32) Malta, March 2017 Quantum Space Technologies Conference *Atom Space Technologies*

- (31) Spetses, June 2016 International Workshop on Quantum Metamaterials & Quantum Engineering  
*Atomtronics: Quantum Technologies based on MatterWaves*
- (30) Les Houches, Jan 2016 “Advanced atomic sources and extreme cooling of atoms and molecules: techniques and applications”  
École De Physique, Les Houches  
*Ultra-Smooth MatterWave Guides and Atom Lasers*
- (29) Benasque, May 2015 Atomtronics Workshop  
*Ultra-Smooth magnetic matter-wave-guides*
- (28) Mexico, Nov. 2014 OSA Latin America Optics & Photonics Conference (LAOP) in Cancun, Mexico  
*Atom Lasers*
- (27) Hannover, Feb. 2014 Institute of Quantum Optics, University of Hannover  
*An ultra-high Brightness Matter Wave Laser*
- (26) Maratea, Sept. 2013 POLATOM Summerschool  
*Experimental Aspects of BEC*
- (25) Prague, May. 2013 22nd International Laser Physics Workshop  
*An ultra-bright atom-laser*
- (24) Greece, May. 2013 14th Conference on Physics of Light-Matter Coupling in Nanostructures (PLMCN14)  
*Ultra-bright matter-wave lasers and extremely cold thermal Atom-beams*
- (23) Greece, May. 2013 Nonlinear Schrödinger Equation: Theory and Applications; an international workshop at the Archimedes Center for Modeling, Analysis and Computation (ACMAC)  
*Matter-Wave Lasers and Thermal Atom-Beams*
- (22) Grenoble, Jan. 2013 University of Grenoble (France)  
*Breaking the Flux Limit: A novel Atom Laser using Time-Dependent Adiabatic Potentials*
- (21) Cambridge, Sept. 2012 Conference on Cold Atoms, Semiconductor Polaritons and Nanoscience POLATOM2012  
*A novel Atom Laser*
- (20) Cambridge, Nov. 2011 AMOP Seminar of the Cavendish Laboratories University of Cambridge  
*Just a few atoms: Imaging Matter-Waves*
- (19) Oxford, Nov. 2011 Atomic and Laser Physics seminar Oxford University  
*Atom Imaging of Free Matter-Waves What are the limits?*
- (18) Sarajevo, Jul. 2011 21st International Laser Physics Workshop: Seminar on Physics of Cold Trapped Atoms  
*Imaging Ultra-Low Atom Numbers for Matter-Wave Optics*

- (17) Crete, May. 2011 Conference on Cold Atoms, Semiconductor Polaritons and Nanoscience POLATOM2011  
*Imaging atoms for matter-wave interferometry*
- (16) Austria, March. 2011 International Conference on the Frontiers of Matter-Wave Optics FOMO2011  
*Atom imaging at the limits*
- (15) Athens, May. 2009 Physics Seminar of the University of Athens:  
*Bose-Einstein Condensation: Quantum Physics close to absolute Zero*
- (14) Crete, Oct. 2007 Engineering, Manipulation and Characterization of Quantum States of Matter and Light: EMALI  
*Time-Averaged Adiabatic Potentials*
- (13) Heraklion, Jul. 2006 18th Summer School on Physics:  
*Bose Einstein Condensation*
- (12) Berkeley, Oct. 2005 Finalist at the Young Scholars' Competition in the honour of Charles Townes, Berkeley University:  
*Guided Matterwave Interferometry*
- (11) Kyoto, July 2005 Laser Spectroscopy Workshop LPHYS'05  
*Novel Coherent Matter-Wave Guides for BEC interferometers*
- (10) Dresden, October 2004 International workshop on Mesoscopic Phenomena in Ultracold Matter: From Single Atoms to Coherent Ensembles: *TAP's TOP's and quantum interference: Physics with novel magnetic traps*
- (9) Amsterdam, April 2004 Prof. Klein Colloquium, University of Amsterdam  
*Cold Collisions: Hitting Condensates Hard*
- (8) Crete, December 2003 ITE-FORTH research seminar  
*Hydrodynamic BEC and novel Traps*
- (7) Hamburg, August 2003 12th annual international Laser Physics Workshop:  
*Quench-cooled quantum gasses*
- (6) Heidelberg, April 2003 Quantum Optics, Atomic and Neutron Physics Seminar  
*Bose-Einstein condensation in a hydrodynamic thermal cloud*
- (5) Hamburg, May 2003 Colloquium of the Institute for Laser-Physics, Hamburg  
*Bose-Einstein condensation in a hydrodynamic thermal cloud*
- (4) Lunteren, Sept. 2002 7th International Workshop on Atom Optics and Interferometry: *Formation of nonequilibrium Bose-Einstein condensates in elongated magnetic traps*
- (3) Lunteren, Nov. 2000 Plenary talk at the meeting of the atom and molecular physics division of the Dutch physical society:  
*Tuning whispering gallery modes: towards optical CQED with microspheres*



- (2) Heidelberg, March 1999 Plenary talk at the conference of the Deutsche Physikalische Gesellschaft (DPG):  
*A very low threshold Er<sup>3+</sup> microsphere laser*
- (1) Garching, February 1999: Max-Planck Institut für Quantenoptik:  
*Microspheres and Microlasers: Towards the strong coupling regime*

### **Patents**

- (1) V. Bolpasi and W. von Klitzing  
*A double-passed injection locked tapered laser amplifier* (Greek patent 2011)

### **Peer-reviewed publications**

- (31) Saurabh Pandey, Hector Mas, Giannis Drougakis, Premjith Thekkepatt, Vasiliki Bolpasi, Georgios Vasilakis, Konstantinos Poullos, and Wolf von Klitzing  
*Hypersonic Bose–Einstein condensates in accelerator rings*  
Nature ([doi.org/10.1038/s41586-019-1273-5](https://doi.org/10.1038/s41586-019-1273-5))
- (30) A. Roussou, J. Smyrnakis, M. Magiropoulos, N. K. Efremidis, W. von Klitzing, and G. M. Kavoulakis  
*Fragility of the bosonic Laughlin state*  
Physical Review A **99** (2019) ([Link](#))
- (29) Saurabh Pandey, Hector Mas, Giannis Drougakis, Kostas G. Mavrakis, Mikis Mylonakis, Georgios Vasilakis, Vasiliki Bolpasi, and Wolf von Klitzing  
*Antireflection coated semiconductor laser amplifier for Bose-Einstein condensation experiments*  
AIP Advances **8:9** 095020 (2018) ([Link](#))
- (28) Mikis Mylonakis, Saurabh Pandey, Kostas G. Mavrakis, Giannis Drougakis, Georgios Vasilakis, Dimitris G. Papazoglou, and Wolf von Klitzing  
*Simple precision measurements of optical beam sizes*  
Applied Optics **57:33** 9863 (2018) ([Link](#))
- (27) P Navez, S Pandey, H Mas, K Poullos, T Fernholz, and W von Klitzing  
*Matter-wave interferometers using TAAP rings*  
New Journal of Physics **18:7** 075014 (2016) ([Link](#))
- (26) V. Bolpasi, W. von Klitzing  
*Adiabatic Potentials and Atom Lasers*  
Rom. Rep. Phys. **67** 295 (2015). ([link](#)) ([pdf](#))
- (25) V. Bolpasi, N.K. Efremidis, M. J. Morrissey, P. Condyllis, D. Sahagun, M. Baker, W. von Klitzing  
*An ultra-bright atom laser*  
New Journal of Physics **16**: 033036 (2014) ([link](#))  
*Selected by the Editors for the “Highlights of 2014” collection of the New Journal of Physics*
- (24) D. Saharan, V. Bolpasi, and W. von Klitzing  
*A Simple and Highly Reliable Laser System for Cold Atom Experiments*  
Optics Communications **290** 110-114 (2013) ([link](#))

- (23) Markus Arndt, Aigars Ekers, Wolf von Klitzing, and Hendrik Ulbricht  
*Focus on Matterwave Interferometry*,  
New Journal of Physics **14** 125006 (2012) ([link](#))
- (22) V. Bolpasi, J. Grucker, M. J. Morrissey, and W. von Klitzing  
*Gradient-Cancelling Ioffe-Pritchard trap for Bose-Einstein Condensation experiments*  
Journal of Physics B **45:23** 235301 (2012) ([link](#))  
*Selected by Editorial Board of Journal of Physics B as **Highlight of the Year 2012*** ([link](#))
- (21) G.O. Konstantinidis, M. Pappa, G. Wikström, P.C. Condylis, M. Baker, O. Morizot, and W. von Klitzing  
*Absolute Atom Number Calibration in Absorption Imaging at Ultra-Low Atom Numbers*  
Cent. Europ. J. Phys. **1-5** (2012) ([link](#))
- (20) L. Bougas, G.E. Katsoprinakis, W. von Klitzing, J. Sapirstein, and T. P. Rakitzis  
*Cavity-Enhanced Parity-Nonconserving Optical Rotation in Metastable Xe and Hg*  
Physical Review Letters **108** 210801 (2012) ([link](#))  
(selected for [Editors' Suggestions](#))
- (19) M. Pappa, P.C. Condylis, G.O. Konstantinidis, V. Bolpasi, A. Lazoudis, O. Morizot, D. Sahagun, M. Baker, W. von Klitzing  
*Ultra-Sensitive Atom Imaging for Matter-Wave Optics*  
*An invited article for the Focus Issue on Matter-Wave Optics*  
New Journal of Physics **13:11** 115012 (2011) ([link](#))
- (18) V. Bolpasi and W. von Klitzing  
*Double-pass tapered amplifier diode laser with an output power of 1 W for an injection power of only 200  $\mu$ W*  
Review of Modern Instruments **81** 113108 (2010) ([link](#))
- (17) I. Lesanovsky and W. von Klitzing  
*Time-Averaged Adiabatic Potentials: Versatile traps and waveguides for ultracold quantum gases*  
Physical Review Letters **99** 083001 (2007) ([link](#))
- (16) I. Lesanovsky and W. von Klitzing  
*Spontaneous Emergence of Angular Momentum Josephson Oscillations in Coupled Annular Bose-Einstein Condensates*  
Physical Review Letters **98** 050401 (2007) ([link](#))
- (15) Ch. Buggle, J. Leonard, W. von Klitzing and J.T.M. Walraven  
*Bose-Einstein condensates studied with a linear accelerator.*  
Laser Spectroscopy, E.A. Hinds, A. Ferguson and E. Riis (Eds.), **199-206**, World Scientific, Singapore (2005)
- (14) Ch. Buggle, P. Pedri, W. von Klitzing, and J.T.M. Walraven  
*Shape oscillations in nondegenerate Bose gases: Transition from the collisionless to the hydrodynamic regime.*  
Physical Review A **72**, 043610 (2005) ([link](#))



- (13) Ch. Buggle, J. Leonard, W. von Klitzing, and J.T.M. Walraven  
*Interferometric Determination of the s and d-Wave Scattering Amplitudes in Rb-87* Physical Review Letters **93**, 173202 (2004) ([link](#))  
 Reviewed in: Kennislink (5. Nov. 2005), FOM news and Physics News Update (#707)
- (12) Ch. Buggle, I. Shvarchuck, W. von Klitzing, and J.T.M. Walraven  
*Hydrodynamic clouds and Bose-Einstein condensation*  
 Journal De Physique IV **116**, 211-217 (2004) ([link](#))
- (11) S. Stry, L. Hildebrandt, J.R. Sacher, Ch. Buggle, M. Kemmann, and W. von Klitzing  
*Compact tuneable diode laser with diffraction-limited 1 Watt for atom cooling and trapping*  
 SPIE: High-Power Diode Laser Technology and Applications II -- Volume **5336** (2004) ([link](#))
- (10) T.G. Tiecke, M. Kemmann, Ch. Buggle, I. Shvarchuck, W. von Klitzing, and J.T.M. Walraven  
*Bose-Einstein Condensation in a magnetic double-well potential*  
 Journal of Optics B (special issue on Cold Atoms), **5** S119-S123 (2003) ([link](#))  
 (“One of the most downloaded articles of the Journal of Optics in 2003”)
- (9) I. Shvarchuck, Ch. Buggle, D.S. Petrov, M. Kemmann, T.G. Tiecke, W. von Klitzing, G.V. Shlyapnikov, and J.T.M. Walraven  
*Focusing of Bose-Einstein condensates in free flight*  
 in Interactions in Ultracold Gases: From Atoms to Molecules, Matthias Weidemuller & Claus Zimmermann (Editors), J. Wiley, New York (2003) ([link](#))
- (8) I. Shvarchuck, C. Buggle, D. S. Petrov, M. Kemmann, W. von Klitzing, G. V. Shlyapnikov and J. T. M. Walraven  
*Hydrodynamic behavior in expanding thermal clouds of Rb-87*  
 Physical Review A **68** 063603 (2003) ([link](#))
- (7) I. Shvarchuck, Ch. Buggle, D.S. Petrov, K. Dieckmann, M. Zielonkovski, M. Kemmann, T.G. Tiecke, W. von Klitzing, G.V. Shlyapnikov, and J.T.M. Walraven  
*Bose-Einstein condensation into non-equilibrium states studied by condensate focusing*  
 Physical Review Letters 89-27, 270404 (2002) ([link](#))  
 Public Reviews: Physics News Update (#620)
- (6) Wolf von Klitzing, Romain Long, Vladimir S. Ilchenko, Jean Hare, and Valérie Lefèvre-Seguin  
*Tunable whispering gallery modes for spectroscopy and CQED experiments*  
 New Journal of Physics **3**, 14.1-14.14 (2001) ([link](#))
- (5) Wolf von Klitzing, Romain Long, Vladimir S. Ilchenko, Jean Hare, and Valérie Lefèvre-Seguin  
*Frequency tuning of the whispering-gallery modes of silica microspheres for cavity quantum electrodynamics and spectroscopy*  
 Optics Letters **26:3** 166-168 (2001) ([link](#))
- (4) Wolf von Klitzing, E. Jahier, R. Long, F. Lissillour, V. Lefèvre-Seguin, J. Hare, J.-M. Raimond, S. Laroche



*Very low threshold green lasing in microspheres by up-conversion of IR photons*  
Journal of Optics B **2** 204–206 (2000) ([link](#))

- (3) W. von Klitzing, E. Jahier, R. Long, F. Lissillour, V. Lefèvre-Seguin, J. Hare, J.-M. Raimond, S. Haroche  
*Green lasing in microspheres at very low pump powers*  
ICSSUR, 243-246 (1999) ([link](#))
- (2) W. von Klitzing, E. Jahier, R. Long, F. Lissillour, V. Lefèvre-Seguin, J. Hare, J.-M. Raimond, S. Laroche  
*Very low threshold lasing in Er<sup>3+</sup> doped ZBLAN microspheres*  
Electronics Letters **35:20** 1745-1746 (1999) ([link](#))
- (1) W. von Klitzing, B. Butcher  
*Practical issues in the development of saturation spectroscopy at ultra-high resolution*  
Measurement Science and Technology **9** 417-421 (1998) ([link](#))

### **Lectures at Summer Schools**

- (4) Maratea, Sept. 2013      Sixth International School of Nanophotonics and Photovoltaics (ISNP-13) & PLATOM Summer School:  
*Experimental aspects of Bose-Einstein Condensation in atoms*
- (3) Maratea, Sept. 2013      Sixth International School of Nanophotonics and Photovoltaics (ISNP-13) & PLATOM Summer School:  
*Experimental aspects of Bose-Einstein Condensation in atoms*
- (2) Heraklion, Jul. 2007      Onassis Lectures on Physics on Bose Einstein Condensation in honour of Prof Ketterle:  
*Trapping and Manipulating Neutral Atoms*
- (1) Heraklion, Jul. 2006      18th Summer School on Physics:  
*Bose Einstein Condensation*