



## Anton Zeilinger

Élu Associé étranger le 8 décembre 2009 dans la section de Physique

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Anton Zeilinger, né en 1945 en Autriche, est professeur de physique expérimentale à l'Université de Vienne et directeur scientifique de l'Institut d'optique quantique et d'information quantique (IQOQI) à l'Académie des sciences d'Autriche. Il est mondialement connu pour ses expériences marquantes dans le domaine des fondements conceptuels de la physique quantique, et il a contribué de façon décisive au développement de l'information quantique et de l'optique atomique.

*Born in Austria in 1945, Anton Zeilinger is professor of experimental physics at the University of Vienna, and scientific director of the IQOQI (Institute for Quantum Optics and Quantum Information) of the Austrian Academy of Sciences. He is known worldwide for his groundbreaking experiments on the conceptual foundations of quantum physics. He has made major contributions to the development of quantum information and atom optics.*

### Curriculum vitae

1972-1981	Senior Research Assistant, Atominstitut Vienna (Austria)
1974-1989	Guest Researcher, Institut Laue Langevin, Grenoble
1981-1983	Visiting Associate Professor of Physics, M.I.T. (USA)
1983-1990	Associate Professor, Technical University of Vienna
1988-1989	Full Professor of Physics, Technical University of Munich (Germany)
1990-1999	Full Professor of Experimental Physics, University of Innsbruck
1995	Professeur au Collège de France (chaire internationale)
1999-	Full Professor of Experimental Physics, University of Vienna
2004-	Scientific Director, Institute of Quantum Optics and Quantum Information IQOQI, Austrian Academy of Sciences

### Membership

1994	Corresponding Member, Austrian Academy of Sciences
1998	Full Member, Austrian Academy of Sciences
1999	Fellow, American Physical Society
2000	Member, Academia Europaea
2002	Member, Berlin-Brandenburgische Akademie der Wissenschaften
2005	Honorary Member, Slovak Academy of Sciences
2005	Member, Deutsche Akademie der Naturforscher Leopoldina
2006	Foreign Member, Serbian Academy of Sciences and Arts

## **Awards**

1995 Prix Vinci d'Excellence, Fondation LVMH, Paris  
1996 European Lecturer, European Physical Society  
1997 European Optics Prize, European Optical Society  
2000 Senior Humboldt Fellow Prize, Alexander von Humboldt-Stiftung  
2001 Ehrenzeichen für Wissenschaft und Kunst, Germany  
2003 Sartorius Prize, Göttingen Academy of Sciences  
2004 Lorenz-Oken-Medal, Gesellschaft Deutscher Naturforscher und Ärzte  
2004 Klopsteg Award, American Association of Physics Teachers  
2005 Descartes Prize, European Commission  
2005 King Faisal Prize, King Faisal Foundation, Saudi Arabia  
2007 Quantum Electronics Prize, European Physical Society  
2008 Quantum Communication Award, Tamagawa University  
2008 Isaac Newton Medal, Institute of Physics  
2009 Verdienstorden der Bundesrepublik Deutschland  
2010 Wolf Prize in Physics (with A. Aspect and J.-J. Clauser)

## **Books**

Quantum Computation and Quantum Information Theory (with C. Macchiavello, G.M. Palma) (Ed. World Scientific Publishing, 2001) - Quantum [Un]speakables, From Bell to Quantum Information (with R. A. Bertlmann) (Ed. Springer, 2002) - Einsteins Schleier. Die neue Welt der Quantenphysik ( Ed. C.H. Beck, 2003) - Einsteins Spuk - Teleportation und weitere Mysterien der Quantenphysik (Ed. Bertelsmann, 2005)

Le 18 mai 2010