

Curriculum Vitae et Studiorum of Margarita A. Man'ko

Man'ko Margarita Aleksandrovna was born in Moscow, Russia, 4 December 1939. She has been living in Moscow all her life, now her address is: Moscow 117419, Lesteva, 21-1-61.

1. From 1947 till 1957 Margarita Man'ko was student of high school in Moscow from which she was graduated being awarded with the Golden Medal.

2. From 1957 till 1963 Margarita Man'ko was student of the Physics Department of M.V. Lomonosov Moscow State University at the Chair of Physics and Theory of Oscillations.

In 1961 Margarita A. Man'ko was accepted as diploma student in group of Professor N.G. Basov, Nobel Prize Winner in the Laboratory of Oscillations (Chair Professor A.M. Prokhorov, Nobel Prize Winner) of the P.N. Lebedev Physical Institute of the Russian Academy of Sciences, and in 1963 the diploma work "Maser with sequential resonators" was defended, and the University course was finished.

3. From 1963 till now Margarita A. Man'ko has permanent research position with the P.N. Lebedev Physical Institute, Department of Quantum Radiophysics (now as the Leading Senior Researcher).

In 1970 the PhD thesis "Spectral characteristics of semiconductor lasers and methods of mode selection" was defended at P.N. Lebedev Physical Institute.

4. Margarita A. Man'ko has published more than 300 articles in Russian and International scientific journals; she participated in many International conferences with contributed and invited talks. Her scientific work was supported by the Russian Foundation for Basic Research within the framework of the Projects: (1) *Tomography of Quantum States and Its Applications in Quantum Mechanics and Quantum Optics*, 1999–2001, (2) *Investigation of the Stokes Wave Statistics in Raman Scattering of Light*, 2000–2002, (3) *Noncommutative Tomography and Fractional Fourier Transform in Signal Analysis*, 2001–2003, (4) *Quantum Aspects of Nonlinear Interaction of Light with Condensed Matter*, 2003–2005, (5) *New Tomographic Methods in Signal Analysis*, 2007–2009, (6) *Signal Analysis, Information Transmission Using Quantum Technologies (Biological Systems, Quantum Telecommunication, Quantum Computing)*, 2008–2009, (7) *Quantum Correlations in Electromagnetic Processes and Their Investigations in the Tomographic Representation*, 2010–2012, (8) *Tomographic Approach to Signal Analysis*, 2011–2013.

5. From 1980 till 1996, Margarita A. Man'ko was the Editor of the Proceedings of the P.N. Lebedev Physical Institute published in Russian by Nauka (Moscow) and in English by Nova Science (New York, USA). At the present time, Margarita A. Man'ko is the Editorial Board Member of *Physica Scripta* of the Royal Swedish Academy of Sciences (Stockholm), which is published by Institute of Physics Publishers (Bristol, UK), Scientific and Managing Editor of *Journal of Russian Laser Research* published by Springer (New York, USA), and Coordinator of Institute of Physics (Bristol, UK) Publishing Division at the Lebedev Institute.

As Guest Editor, Margarita A. Man'ko produced several special issues of J. Opt. B: Quantum Semiclass. Opt., i.e., *Uncertainty relations, quantum phase space, quantum optics, quantum information, imaging and computing, Quantum Computing and Feynman Festival, Wigner Centennial Issue* and *Trends in Quantum Optics*, several Topical issues of Physica Scripta connected with the Central European Workshops on Quantum Optics (Belgrade, Serbia, 2008; Turku, Finland, 2009; St.-Andrews, UK, 2010; Madrid, Spain 2011; Sinaia, Romania, 2012; Stockholm, Sweden, 2013), and several Comments sections of Physica Scripta such as *Quantum Non-Stationary Systems* (2010) and *Mathematical Methods of Studying Physical Phenomena* (2013).

6. Margarita A. Man'ko was the coorganizer of the conferences:

(i) The First and Second (Zvenigorod, USSR, 1979 and 1982) and Third (Yurmala, USSR, 1985) International Seminars on Group Theoretical Methods in Physics, with publishing the Proceedings by Nauka, VNU, and Gordon & Breach;

(ii) The 18th International Colloquium on Group Theoretical Methods in Physics (Moscow, 1990) with publishing the Proceedings by Springer Verlag;

(iii) The Second (Moscow, 1992), Third (Baltimore, USA, 1993), Fourth (Taiwan, China, 1995), Fifth (Balatonfüred, Hungary, 1997), Sixth (Naples, Italy, 1999), Seventh (Boston, USA, 2001), Eighth (Puebla, Mexico, 2003), Ninth (Besancon, France, 2005), Tenth (Bradford, United Kingdom, 2007), Tenth (Olomouc, Czech Republic, 2009), Eleventh (Foz do Iguacu, Brazil, 2011), Eleventh (Nuremberg, Germany, 2013) and Sixteenth (Madrid, Spain, 2018) International Conferences on Squeezed States and Uncertainty Relations. As Guest Editor, she produced Special Issues of J. Opt. B: Quantum and Semiclass. Opt. "Uncertainty Relations, Quantum Phase Space, Quantum Optics, Quantum Information, Imaging, and Computing" connected with Boston conference and "Squeezed States and Uncertainties Relations" connected with Puebla conference, as well as several issues of Journal of Russian Laser Research connected with selected papers from Bradford, Olomouc, Foz do Iguacu, and Nuremberg conferences.

(iv) The Central European Workshop on Quantum Optics (2003, Rostock, Germany), (2004, Trieste, Italy), (2005, Ankara, Turkey), (2006, Vienna, Austria), (2007, Palermo, Italy), (2008, Belgrade, Serbia), (2009, Turku, Finland), (2010, St. Andrews, UK), (2011, Madrid, Spain), (2012, Sinaia, Romania), (2013, Stockholm, Sweden), (2014, Brussels, Belgium), (2015, Warsaw, Poland), (2016, Kolymbari, Greece), (2017, Lyngby, Copenhagen, Denmark) and (2018, Palma de Mallorca, Spain).

(v) *Towards Ultimate Quantum Theory* (UQT), International conference devoted to quantum theory, experiment, and technology (Vaxjo, Sweden, June 11-14, 2018) with publication of the conference papers in Special issue of journal Entropy "Towards Ultimate Quantum Theory" as one of the Guest Editors.

7. Margarita A. Man'ko was awarded by International Diplomas for Study of Single-Mode Diode Lasers within the framework of collaboration between the Russian Academy of Sciences and the German Academy of Sciences and between the Russian Academy of Sciences and the National Centre for Science and Technology of Viet Nam. In 2011, she got the Certificate of Gratitude from IOP Publishing for 10 years of successful cooperation. In 2014, Margarita Man'ko was awarded by Leonhard Euler Prize to honor her scientific lifework

and to honor her contributions to physics and mathematics and by Honor Diploma of the Lebedev Physical Institute of the Russian Academy of Sciences for Substantial Contribution to the Development of the Russian Science.

8. From 1969 till now Margarita A. Man'ko visited Universities and Scientific Institutions of Austria, Belgium, Bulgaria, Brazil, China, Denmark, Finland, France, Germany, Hungary, Japan, India, Italy, Mexico, Netherlands, Poland, Portugal, Romania, South Korea, Serbia, Spain, Sweden, Turkey, Viet Nam, UK, and USA with invited talks and for joint scientific work.

List of Selected Publications of M. A. Man'ko

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