Ivan P. Christov

CURRICULUM VITAE

Education and Employment

1975-1980 M.Sc., Sofia University, Department of Physics, Sofia, Bulgaria;
Major: Physics, **Minor**: Quantum Electronics

1980-1983 Physicist, Research Scientist, Institute of Optics, Sofia.

1983-1987 Ph.D. studies, Department of Physics, Sofia University; Ph.D. thesis devoted to processes of generation and propagation of femtosecond optical pulses, and Raman scattering. Ph.D. degree of April 1987.

1987-1990 Institute of laser Physics, Sofia University, Research Scientist and project leader

1991-1992 Visiting Scientist at Max-Planck-Institut for Quantum Optics, Garching, Germany, with an Alexander von Humboldt Fellowship

1993-2000 Associate Professor at the Physics Department, Sofia University, and Director of the Institute of Laser Physics.

1994 through 2006 Visiting Scientist (during summers), WSU-Pullman, USA; CUOS-Ann Arbor; JILA, University of Colorado at Boulder.

2001-present Dr.habil, Physics Dept, Sofia University

2003-present Professor, Physics Dept, Sofia University

Honors: Fellow of the Optical Society of America
Alexander von Humboldt Fellow

Teaching: Lectures on “Wave and quantum optics”, “Photonic structures”, and “Physics of high-power optical fields”.

Professional Activities:

Publications: 90 papers in scientific journals, 3 book chapters.

Reviewer of Nature, Phys. Rev. Lett., Phys. Rev. A, Optics Letters, Opt. Commun, Opt. Express, JOSA B, New J. Phys.

Coordinator for Bulgaria within the “Extreme Light Infrastrucuture-Preparatory Phase” project. Head of the Laboratory for femtosecond photonics at Sofia University.

Research interests: Correlated electron dynamics via time-dependent quantum Monte Carlo. Generation of high harmonics and isolated attosecond X-ray pulses. Amplification of single attosecond pulses via quasi-phase matching. Nonlinear optics and coherent control in the femto-attosecond domain. Spatio-temporal and self-organisation effects in self-mode locked lasers.

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