

Prof. Dr. Jean-Pierre WOLF

GAP-Biophotonics - Université de Genève

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Research Experience

Professor in Physics at the University Geneva- 2005 - now

Professor in Physics at the University Lyon 1 - 1993-2005

Visiting Professor at Yale University (Applied Physics)- 1999-2000

Assistant Professor C1, Inst. for Exper. Physics, Free University Berlin- 1989-1992

Co-founder of "Elight Laser Systems GmbH", Berlin - 1991

Project leader at the Ecole Polytechnique Federale de Lausanne - 1987-1989

Assistant, Experimental Physics, Ecole Polytechnique Federale de Lausanne 1984-1987

Education

Habilitation Université Lyon 1 - 1991

Physics PhD Ecole Polytechnique Federale de Lausanne - 1987

Physics Diploma Ecole Polytechnique Federale de Lausanne- 1984

Main responsibilities

President of the Physics Teaching Commission (UniGe) : 2006 -2012

Responsible of the Master of Applied Physics, UniGe: 2011-now

Expert for the Conseil Scientifique de la Defense (France), 2005-2008

Member of the CNRS Steering Board (Comite National), Paris, 2000-2004

Member of the National Steering Committee of the Universities, Paris - 1996 – 1999

Expert at the "Research Task Group 31" of NATO - 2001-2005

Expert for the VDI-DIN-Standards Organisation (Germany) - 1991 - 1998

Member of the Steering Committee of the Institut National de l'Environnement et des Risques (INERIS) France - 1999-2002

Co-founder and French PI of the Teramobile Consortium 1999-2005, and Swiss PI 2005 - now

Co-editor of Applied Physics B - 2009 – 2014

Organizer or co-organizer of several international conferences, and in particular

the launch of the Conference on Lasers, Weather and Climate (CLWC), at the World Meteorological Organization of the U.N. (2011, 2013, 2015)

Supervision of 33 PhD thesis (P. Rairoux (1991), HJ Koelsch (1990), J. Blanc (1992), H. Kuhling (1993), J. Kolenda (1993), B. Stein (1994), M. Douard (1996), P. Rambaldi (1997), J. Kasparian (1997), E. Frejafon (1999), A. Thomasson (2001), D. Mondelain (2001), C. Favre (2002), F. Courvoisier (2005), L. Guyon (2007), R. Salame (2009), P. Bejot (2008), J. Extermann (2010), A. Rondi (2011), D. Kiselev (2012), S. Henin (2013), C. Joulaud (2013), T. Magouroux (2014), S. Afonina (2014), A. Rogov (2015), S. Courvoisier (current), E. Schubert (current), N. Berti (current), J. Gateau (current), G. Sousa (current), I. Friedly (current), J.G. Brisset (current), C. Schmidt (current))

Awards and honors

European Research Council “Proof of Concept” Recipient 2013

European Research Council Advanced Recipient 2011

Prix "La Recherche", France 2005

Grand Prix de l'Académie des Sciences (Physics) - France 2002

Member of the "Institut Universitaire de France" -1996 – now

NATO Senior Scientist Fellowship, 1999

Technology Innovation Award of the city Berlin – 1993

Research interests

High power lasers, non-linear propagation, atmospheric physics and sensing, ultrafast phenomena, quantum control and femtosecond spectroscopy, biophotonics, nanophotonics, imaging

Outreach activities

Co-organization of exhibitions at the Palais de la Decouverte (Paris), in the frame wok of the actions “un chercheur, une manip”:

- “10 Milliards de Watt dans un Fil de Lumiere”, www.palais-decouverte.fr/index.php?id=627, May-June 2006
- “Pris au Piège”, www.palais-decouverte.fr/index.php?id=1727, Oct- Dec 2008

Delegate for the educational actions within the NCCR -“MUST”, 2010-now

Member of the scientific board of the Dudley-Wright Foundation

Publication record: 188 Publications, 79 Proc., 11 Patents, 21 Books or book chapters, H-index 44, ~ 7000 citations (ISI-Web of Knowledge, 20.04.2015), 89 invited talks at international conferences