

## **Prof. Dr. Jean-Pierre WOLF**

Department of Applied Physics - Université de Genève

[jean-pierre.wolf@unige.ch](mailto:jean-pierre.wolf@unige.ch),

<http://www.unige.ch/gap/biophotonics>

Born July 14, 1960 in Lausanne (CH)

French citizen

### **Professional 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 Experim. Physics, Free University Berlin - 1989-1992

Co-founder of the Laser Applications Center of the EPFL, 1989

Co-founder and CEO of "Elight Laser Systems GmbH", Berlin – 1991-1993

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**

Director of the Department of Applied Physics at Univ.of Geneva 2017-now

Vice President of the Faculty of Physics at Univ.of Geneva 2017-now

President of the “Conseil de Section” at Univ.of Geneva 2017-now

Vice-President of the « Conseil Participatif de la Faculte des Sciences » at Univ.of Geneva 2016-now

President of the Physics Outreach Commission at Univ.of Geneva 2017-now

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

Member of the CNRS Evaluation and Steering Committee (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 since 2005

Co-editor of Applied Physics B - 2009 – 2014

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

Conference on Lasers, Weather and Climate (CLWC), at the WMO (2011, 2013, 2015)

Supervision of 35 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), N. Berti (2016), S. Courvoisier (2016), E. Schubert (2017), J.G. Brisset (2017), G. Sousa (2018), G. Campargue (current), V. Pini (current), G. Gaulier (current), C. Schmidt (current), T. Produit (current),

### **Awards and honours**

Carl Zeiss Research Award – 2018  
European Union Best Project Award on NMP - 2015  
European Research Council “Proof of Concept” Grant Recipient 2013  
European Research Council Advanced Grant 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 Fellow, 1999  
Technology Innovation Award of the city Berlin – 1993

### **Research interests**

Ultrafast laser spectroscopy and quantum control, non-linear optics and filamentation, atmospheric physics and sensing, laser weather modulation

### **Outreach activities**

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

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

Co-organization of the biennial event « La Nuit de la Science » in Geneva (2005-2017)

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

Member of the Board of the Dudley-Wright Foundation

President of the Physics Outreach Commission at Univ.of Geneva 2017-now

### **Recent Media coverage:**

**TV Broadcast** : CNN-World reports (USA) (7/3/2016 and 9/11/2011), Weather Channel (USA) (04/04/2013), ARD TV (D) (29/08/2017), Bayerische Fernsehen TV (D) (01/09/2017), ZDF TV (D) (04/03/2010 and 2018), RTS TV (CH) (10/06/2015, 20/05/2015), ARTE TV (F, D) (04/04/2015), RAI (I) (04/05/2010), Discovery Channel TV (03/05/2010), ORF (A) (04/05/2010), Lemman Bleu TV (CH) (05/05/2010), SF1 (CH) (27/05/2010), Rete 2 TSI (5/05/2008), etc.

**Radio and press:** more than 120 reports, including BBC, Radio Canada, Deutsche Welle, New York Times, Washington Post, Die Welt, Berliner Zeitung, NZZ, La Recherche, The Economist, National Geographic, American Scientist, Science et Avenir, Science et Vie, etc.

**Publication record:** 236 Publications, 79 Proc., 12 Patents, 23 Books or book chapters, H-index 49, > 10000 citations (ISI-Web of Knowledge, 06.2018), 103 invited talks and 12 Plenary lectures at international conferences.