

## **EOS Fellows**

### **Alain Aspect**

Alain Aspect is the Carnegie Centenary Professor at Strathclyde and Chair of Atom Optics at the Laboratoire Charles Fabry of the Institute of Theoretical and Applied Optics of the University of Paris Sud in Orsay (France). Alains conspicuousness is related to his pivotal experiments on the Einstein-Podolsky-Rosen paradox for photons and non-locality of quantum mechanics.

Not until 1982, Alain Aspect, the French physicist, was the one who succeeded in verifying the spooky remote action – the non-locality of the quantum world -, which was questioned by Einstein, in an experiment

### **Mario Bertolotti**

Mario Bertolotti is a Professor of Physics at Università di Roma “La Sapienza”. He serves of the Advisory Committee of the EOS and is the first Editor of the online Journal of the EOS. He has made outstanding contributions to the understanding of coherence, lasers and nonlinear optics.

### **Klaus Biedermann**

“For his work to establish the European Optical Society and the Swedish Optical Society, for his contributions to holography and visual optics, and for a life-long effort to promote collaboration in optical science between industry and academia”

### **Magnus Breidne**

“For his work and effort for the European Optical Society and for his leadership in optics and photonics, for his work with the European Optical Society and efforts to initiate collaboration on the international and national level”

### **David Briers**

“For his many important contributions to optics teaching and research, and for his highly valued services, past and ongoing, to the European Optical Society”

### **Pierre Chavel,**

“For his outstanding contributions to the field of Optical Information Processing and for his leading and constant actions to promote international collaborations, advanced research and teaching in Optical Sciences”

### **Anna Consortini**

“For her important contributions to basic diffraction theory and light propagation in random media and for the crucial role she played in the founding of EOS itself and in the worldwide organization and recognition of optical science, among others as the ICO-president from 1993 to 1997”

### **Chris Dainty**

“For his highly influential contribution to optics teaching and research, and for his committed leadership of the optics community in general and the European Optical Society in particular”

### **Rene Dändliker**

Rene Dändliker is Professor for microtechnics at the Institut de Microtechnique, Université de Neuchâtel, his areas of expertise are interferometry, holography, heterodyne detection, Fourier optics, diffractive and refractive micro-optics, nano-optics (subwavelength optics, SNOM), statistical optics (coherence, speckles), liquid crystal optics of the OSA, the IoP (London) and the Swiss Society of Optics and Microscopy (SSOM). I

### **Franco Gori**

Franco Gori is Full professor of Quantum Electronics since 1980 he is presently the Dean of the Engineering Faculty of the University "Roma Tre", Rome, Italy.

He is a Fellow of the Optical Society of America (OSA).

Franco Gori's research focus is on coherence theory, optical processing, light field propagation and inverse problems. He also devotes his research interest to didactical themes in optics and quantum mechanics.

The European Optical Society awarded Franco Gori its prestigious EOS Prize, on the occasion of the EOS General Meeting on May 1999, in Berlin, Germany.

### **Mike Hutley**

Prof. Mike Hutley worked for the National Physical Laboratory (NPL), UK till 1999. He pioneered and developed the technology, sometimes referred to as "coherent photofabrication" in which microscopic periodic structures are created by recording in photoresist the interference pattern generated at the intersection of coherent wavefronts from a laser. An important part of his work has been to advise both industry and universities and to make available the facilities to enable a rapid assessment of new ideas and applications. In 1992 he was made a visiting professor at Kingston University and also lectured at several universities: University of Santiago de Compostela, Brunel University, the University of York, the University of Exeter, etc.

He is a Fellow of the Institute of Physics. (Chairman of Applied Optics Division) a Fellow of National Physical Laboratory (NPL), he was President of The European Optical Society from 1996-1998 and Vice president of the International Commission for Optics from 1996-1999

### **Peter Knight**

"For his countless seminal contributions to quantum optics and quantum information research, for his outstanding leadership of the international optics community, and for his unique combination of educational, organizational and personal talents"

### **Stefan Kröll**

"For his research achievements in high-resolution spectroscopy and quantum optics, for his service to the optics community, and for his teaching of advanced optical physics"

### **Ad Legendijk**

"For his research achievements in light propagation in structured and disordered media, for his challenging way of coaching many young scientists and for his original views on the scientific world, as written down in numerous newspaper columns"

### **Anders Larsson**

"For his contribution to semiconductor lasers and diffractive optics and for his teaching and leadership in optics"

### **Gerd Leuchs**

"For his important contribution to optical science, through countless seminal contributions to fundamental problems in quantum optics and quantum information"

### **Adolf Lohmann**

Prof. Adolf Lohmann is a member of the Royal Swedish Academy of engineer sciences and a member of the Bavarian Academy of Sciences. He has been awarded numerous times. Besides the Federal Cross of Merit (Bundesverdienstkreuz) he received the Max Born Medal and the C.E.K. Mees-Medal of the Optical Society of America for rendering outstanding services to the international cooperation in the field of Optics. On his 75<sup>th</sup> birthday he received the 'Pioneer of Information Optics Award' of the SPIE. He was especially involved with teaching and the new generation of academics. From his Ph.D students became ten Professors at Universities in Germany, Mexico, Israel, the United States and Switzerland.

**Miroslav Miler**

“For his lifelong contribution to diffractive optics and holography and the development of these disciplines in the Czech republic in particular”

**Susana Marcos**

Dr. Susana Marcos works at Instituto de Optica “Daza de Valdéz”, CSIC in Madrid. She is currently President of the Vision Sciences Committee of the Spanish Optical Society. She has made outstanding contributions to the understanding of the optical properties of the eye.

**Giancarlo Righini**

Giancarlo Righini is Professor and Research Director at Nello Carrara Institute of Applied Physics, CNR Laboratory of Optoelectronic Technologies, Florence. He is a founding member of EOS and a cofounder of the Italian Society of Optics and Photonics (SIOF). He has made outstanding contributions to optoelectronics, fibre and integrated optics.

**Wolfgang Schleich**

“For his numerous pioneering and seminal contributions to theoretical quantum optics and new perspectives for the understanding of the quantum nature of light and its interaction with matter”

**Jakob Stamnes**

“For his seminal contributions to optical diffraction theory and its applications in other fields of physics and for his outstanding contribution to science education via his book *Waves in the focal region*”

**Wilson Sibbett**

“For his numerous pioneering contributions to ultra-short pulse laser science and Technology, including the development of Kerr-lens mode-locked lasers, and for his promotion of optical science on the national and international stage”

**Hugo Thienpont**

“For his incessant promotion of the sciences of optics and photonics in his own university, in Belgium and in Europe in general with a particular emphasis on modern and original teaching projects for young people”

**Hans Tiziani**

Prof. Dr. Hans Tiziani is an expert in the fields of holography, interferometry and the use of speckles in the field of metrology, the involved measuring technique and most notably the implementation of the innovations in industrial products.

For many years he has worked in leading positions of international societies like SPIE and OSA. For five years he was President of the European Electro-Optics. After this he accepted office of the Presidency of the Optics Division of the European Physical Society. From 1985 to 1990 he was Governor of the SPIE, for European an uncommon honour. He is a Fellow of SPIE and the Optical Society of America (OSA). From 1991 to 2000 he was Board Member of the European Optical Society.

**Han Woerdman**

“For his original theoretical and experimental work in classical and quantum optics with a particular interest in translating open theoretical questions into simple and fundamental experiments

**Maria Yzuel**

Maria Yzuel is Professor of Physics at Universidad Autónoma de Barcelona. She is a founding member of the EOS, was Secretary from 1996 to 1998 and has contributed significantly to the development of optics in Spain. She has made outstanding contributions to optical information processing.