

CV - Professor Emmanuel DESURVIRE

French Citizen

Born 1955 in Boulogne, near Paris, France

Married

1974	Baccalauréat, Lycée Claude Bernard, Paris
1977	B.S. in Physics, Paris VI University
1980	M.S. in Physics, Paris VI University
1981	M.S. (DEA) in Theoretical Physics, Paris VI University
1981 - 1983	Ph.D. Student, Thomson-CSF (now Thales) Central Research Facility Corbeville, Orsay, France
1983	Ph.D. in Applied Physics, University of Nice
1984 - 1986	Postdoctoral Research Affiliate, Applied Physics Department, E. L. Ginzton Laboratory, Stanford University, USA
1986 - 1990	Member of Technical Staff, AT&T Bell Laboratories, Crawford Hill Laboratory, New Jersey, USA
1998	Sc.D. (HDR Thesis), University of Nice
1990 - 1993	Associate Professor, EE Department of Columbia University, New York, USA
1994 - 1998	Group Leader, Undersea Transmission, Alcatel-Alsthom (later Alcatel-CIT) Research, Marcoussis, France
1998 - 1999	Deputy Unit Director, Photonics Networks Unit, Alcatel-CIT, Marcoussis, France
1999 - 2000	R&D Project Manager
2000 - 2004	Director, Alcatel Technical Academy
2004 - 2006	Director, Alcatel, Corporate Intellectual Property Group
2006 - 2007	Senior Director, Alcatel Optical Networks Division
2007 -	Director, Thales Research & Technology, Physics Research Group

Notable prizes and awards

1992-93	Distinguished Lecturer Award, Lasers and Electro-Optics Society (IEEE)
1984	International Prize In Optics , International Commission for Optics (ICO)
1998	Benjamin Franklin Medal In Engineering, Benjamin Franklin Institute
1998	Grand Prize in Electronics of Gai A.Ferrée, Federation des Anciens des Transmissions
2000	IEEE Fellow, Institute of Electrical and Electronics Engineers (IEEE)
2001	Distinguished member of Technical Staff, Alcatel Technical Academy
2004	Alcatel Fellow, Alcatel Technical Academy
2005	William Strelfer Scientific Achievement Award, Lasers and Electro-Optics Society (IEEE/LEOS)
2006	Thomson Scientific Laureate, Thomson Scientific
2007	John Tyndall Award, Optical Society of America and Lasers & Electro-Optics Society (OSA/LEOS)
2007	Prix France-Telecom, France's Academy of Sciences

Patents and publications

210 publications (98 Journal, 104 conference, 8 book chapters)

5 author books (publications 1994,2003,2004 and 2008)

113 patents in 34 patent families

CV - Dr. Randy GILES

Citizen of the USA and Canada

Married

1976	BSc in Physics, University of Victoria, Canada
1978	MSc in Physics, University of Victoria, Canada, 1978
1983	PhD in Electrical Engineering, University of Alberta, Canada
1983 - 1986	Member of Scientific Staff at Bell Northern Research in Ottawa, Canada
1986 - 1999	Member of Technical Staff at Bell Laboratories
1999 - 2001	Technical Manager at Bell Laboratories
2000 -	Director, Optical Networks at Bell Laboratories
2001	Director of Photonic Subsystems Research at Bell Laboratories
2001 - 2006	Director of Advanced Photonics Research at Bell Laboratories

Notable prizes and awards

2000	Awarded the Discover Magazine Technology Award
2000	Awarded Fellow status In the Optical Society of America
2001	Awarded the Bell Laboratories President's Gold Award
2001	Awarded the Bell Laboratories Fellow
2005	Awarded the Fraunhofer Award/Burley Prize from the Optical Society of America

Patents and publications

Authored or co-authored over 100 publications/conference papers.
Have over 50 patents filed and more than 30 issued.

CV - Professor David PAYNE

British Citizen
Born 13 August 1944
Married

1949-1963	Primary and Secondary Education in Central Africa (Zambia)
1964-1967	B.Sc. Honours, Electrical Engineering, University of Southampton, UK
1967-1968	Diploma in Quantum Electronics, University of Southampton, UK
1969-1976	PhD degree, University of Southampton, UK (Part time Registration)
1969-1971	Research Assistant, Dept. of Electronics, University of Southampton
1971-1972	Junior Research Fellow, Dept. of Electronics, University of Southampton
1972	Pirelli Research Fellow, University of Southampton, UK
1974	Optical Communications Group Leader, University of Southampton
1978	Senior Research Fellow, University of Southampton, UK
1981	Principal Research Fellow, University of Southampton, UK
1984	Reader, University of Southampton, UK
1989	Deputy Director, Optoelectronics Research Centre, University of Southampton, UK
1991	Professor of Photonics, University of Southampton, UK
1995 -	Director, Optoelectronics Research Centre, University of Southampton, UK

Commercial activity

1981 - 1991	Co-founder and Director, York Technology Ltd. (now PK Technology Inc.), UK
1991 - 2000	Founding Consultant, Sensor Dynamics, UK (now part of SENSEA)
1987 - 1990	Consultant, Amoco Technology, Naperville, USA
1995 - 2000	Consultant, Scientific Atlanta (ATx), Naperville, USA
1998 -	Co-founder, Director and Chairman, Southampton Photonics Inc.
1999 - 2001	Director, Geosensor, USA

Notable prizes and awards

1982	Academic Enterprise Award for establishing York Technology
1986	Queens Award for Industry (York Technology)
1991	IEEE/OSA John Tyndall Award (USA)
1991	Rank Prize for Optics (UK)
1992	Elected Fellow of the Royal Society
1993	Computers and Communications Award (Japan)
1994	MASTS (USA) Real Advances in Materials Award
1896	Elected Fellow of the Optical Society of America
1997	One of 12 scientists included in the Optical Society of America's time capsule due to be opened in 2016
1998	Benjamin Franklin Medal in Engineering-Franklin Institute USA
1998	Elected to the Royal Society of Arts
2000	ISI Certificate for one of the world's most cited authors
2001	2001 Basic Research Award of the Eduard Rhein Foundation

2001 Ernst and Young Entrepreneur of the Year finalist
2001 Mountbatten Medal of the IEE for outstanding contributions to electronics
2002 ISI Certificate for Highly Cited Researchers - original member
2003 LEOS (USA) Distinguished Speaker
2003 IEE Distinguished Speaker
2004 Appointed Commander of the British Empire (CBE)
2004 Elected to the Norwegian Academy of Sciences
2004 Kelvin Medal of the 8 major UK engineering institutions
2005 Elected Fellow of the IEE
2005 Elected Fellow of the Royal Academy of Engineering
2005 Royal Academy of Engineering MacRobert Award finalist (SPI Lasers)
2007 Elected to the Russian Academy of Sciences
2007 IEEE Photonics Award for outstanding achievements in photonics

Patents and publications

Author and co-author of over 600 Journal and Conference publications.
Inventor and co-inventor on over 20 Patents and Applications