

## Some of the Lecturer's biography

### Academic

#### Francis Berghmans – Vrije University of Brussels

F. Berghmans was born in Ukkel (Belgium) in 1969. He received his Ph.D. in Applied Sciences in 1998 from the VUB (Vrije Universiteit Brussel, Brussels, Belgium). In 1993 he joined the Belgian nuclear research center SCK·CEN, where he served as head of the Instrumentation Department and as leader of the Expert Group on Advanced Reactor Instrumentation. At SCK·CEN he supervised research in the field of radiation effects on photonic devices and optical fiber sensors. In 2007 he joined Vrije Universiteit Brussel. He holds a full professor position and is a member of the Applied Physics and Photonics Department and of the Brussels Photonics Team B-PHOT ([www.b-phot.org](http://www.b-phot.org)), where he supervises research activities in the field of micro-optical sensors and photonic crystal fibers and teaches physics to bachelor students in engineering sciences as well as photonics to master students in photonics engineering. He has been involved in many collaborative research projects financed by various instances including the European Commission, the Research Foundation Flanders (FWO) and the Agency for Innovation by Science and Technology – Flanders (IWT). He currently serves as vice-coordinator of the Integrated Project 'Access Center for Photonics Innovation Solutions and Technology Support – ACTPHAST' ([www.actphast.eu](http://www.actphast.eu)) and is partnering in the Marie Skłodowska Curie Action - European Training Network 'Fibre Nervous Sensing Systems – FINESSE' ([www.itn-finesse.eu](http://www.itn-finesse.eu)), both funded by the European Union. F. Berghmans is (co-)author of 106 journal papers and 165 publications in international conference proceedings indexed by the Web of Science Core Collection. He is general co-chair of SPIE Photonics Europe and fellow of SPIE.



#### Thomas Crispeels – Vrije University of Brussels

.Prof. Dr. Thomas Crispeels is Assistant Professor Technology & Innovation at the department of Business Technology and Operations of the Vrije Universiteit Brussel. His research is situated in the field of Technology & Innovation, with a special focus on international technology transfer, academic entrepreneurship and collaborative R&D in high technology industries such as the biotechnology, photonics and electric vehicle technology. Thomas teaches several courses on technology entrepreneurship and the business economics of high-technology industries to business and engineering students. He teaches the course "Business Aspects of Micro-Electronics and Photonics" at VUB and was a guest lecturer in the "Entrepreneurship in Photonics" trainings organized in the framework of Photonics4Life (EU FP7). Thomas also organized workshops on life sciences entrepreneurship for academics and professionals in collaboration with VIB and Flandersbio. Within FINESSE, Thomas is responsible for Science and Industry Relations, organizes the complementary skills training on Entrepreneurship in Photonics" and he co-supervises one ESR in the domain of "Technology Transfer and Academic Entrepreneurship in Distributed Optical Fiber Sensors".



## Miguel Gonzalez-Herraez – University of Alcala

Miguel Gonzalez-Herraez received the M.Eng. and D.Eng. degrees from the Universidad Politecnica de Madrid, Madrid, Spain, in 2000 and 2004, respectively. In October 2004, he became an Assistant Professor at the Department of Electronics, Universidad de Alcala, Madrid, Spain, where he became an Associate Professor in June 2006. He is the author or coauthor of more than 100 papers in international refereed journals and more than 110 conference contributions. He has given several invited/plenary talks at international conferences. His research interests cover several aspects across photonics, mainly distributed optical fiber sensors and optical fiber-based light sources. He has received several important recognitions to his research career, including the European Research Council Starting Grant, the “Miguel Catalan” Prize for Young Scientists given by the Comunidad de Madrid, and the “Agustin de Betancourt” prize of the Spanish Royal Academy of Engineering.



<https://scholar.google.com/citations?user=c6SIO8sAAAAJ&hl=es>

## Mannfred Rotthardt – IPHT

Mannfred Rotthardt received his diploma degree from the Physics faculty of the Friedrich-Schiller-University, Jena, Germany in 1984. From 1984 to 1991 he was a scientific assistant in the research center of Carl-Zeiss-Jena GmbH. From 1991 to 1995 he was with Jenoptik AG leading a R&D group developing interferometric measurement systems. Since 1995 he is with Institute of Photonic Technology, Jena. His research interest includes technology and applications of fibre Bragg gratings and planar light wave circuits in sensors, biophotonics, fibre lasers and optical telecommunication.



## Salvador Sales – University of Valencia

Telecommunications engineering degree (1992) and Ph.D. degree in optical communications (1995) both from the Universitat Politècnica de València (Extraordinary Doctoral Award from the Spanish Telecommunication Society, 1996). He has been working since 1992 in research projects related with optical communications and optical fibre sensors. I have been leading several European Union and national research projects in the field of optical communications and fibre sensors. Over 200 papers in SCI ranked journals and conference, including more than 10 invited in major international conferences, 7 patents, and cofounder the spin-off company CalSens SL in 2013. His main research interests include optoelectronic signal processing for optronic and microwave systems, optical fibre sensors, fibre Bragg gratings, WDM and SCM lightwave systems and semiconductor optical amplifiers.



## Luc Thévenaz – EPFL

Luc Thévenaz received the M.Sc. degree and the Ph.D. degree in physics from the University of Geneva, Switzerland. In 1988 he joined the Swiss Federal Institute of Technology of Lausanne (EPFL) where he currently leads a research group involved in photonics, namely fibre optics and optical sensing. Research topics include fibre sensors, slow & fast light, nonlinear fibre optics and laser spectroscopy in gases. His expertise covers all applications of stimulated Brillouin scattering in optical fibres and he is known for his innovative concepts related to distributed fibre sensing. During his career he stayed at Stanford University, at the Korea Advanced Institute of Science and Technology (KAIST), at Tel Aviv University, at the University of Sydney and at the Polytechnic University of Valencia. In 2000 he co-founded the company Omnisens that is developing and commercializing advanced photonic instrumentation based on distributed fibre sensing. He is Fellow of both the IEEE and the Optical Society of America and Associate Editor of 3 major scientific journals.



## Moshe Tur – TAU

Moshe Tur received the B.Sc. in Mathematics and Physics, from the Hebrew University, Jerusalem, Israel (1969), the M.Sc. degree in Applied Physics from the Weizmann Institute of Science, Rehovot, Israel (1973), and his Ph.D. from Tel-Aviv University, Tel-Aviv, Israel (1981). He is presently the Gordon Professor of Electrical Engineering at the School of Electrical Engineering of Tel-Aviv University, Tel-Aviv, Israel, where he has established an advanced research laboratory, emphasizing fiber-optic sensing using fiber Bragg gratings and the Brillouin and Rayleigh effects, advanced fiber-optic communication systems, as well as microwave photonics. Prof. Tur has been involved in many international collaborations, including the EU-funded SENARIO, SARISTU and two COST actions. He is a Fellow of both the IEEE and the Optical Society of America.

