



Olivier Chalus obtained his engineering degree in Physics at the Ecole Nationale Supérieure de Physique de Strasbourg in 2003. In parallel he obtained a Master's degree in Photonics from the Université Louis Pasteur. He obtained his PhD at the University of New Mexico (UNM, USA) and the Université Louis Pasteur in 2007. He was post-doctoral researcher at ICFO (Spain). In October 2010, he joined the Laser Department of Thales Optronique SAS in France, where he worked on the first commercial 1Hz Petawatt laser system. His main areas of research are: OPCPA lasers, High Harmonic Generation, TiSapphire kHz laser system, high power lasers, filamentation and pulse characterization.



Helder M. Crespo is Assistant Professor of Physics and Group Leader at IFIMUP-IN, Department of Physics and Astronomy, Faculty of Sciences, University of Porto. Gulbenkian Foundation Science Prize 1998 (discovery of ultrafast multicolor cascaded four-wave mixing). PhD in Physics, IST Lisbon (2006). Post-doctoral researcher at MIT, USA (2007-2008). Co-founder and director of the Ultrafast Laser Laboratory, University of Porto. Author of more than 95 publications in journals and conferences; co-inventor of 4 patents. Co-founder and Chief Technology Officer (CTO) of the spin-off company Sphere Ultrafast Photonics. UP Awards 2015, from Portugal Startups. Current research: ultrafast nonlinear optics and photonics, in particular the generation and measurement of extremely short light pulses in the few-to single-cycle regimes, and their application to ultrafast spectroscopy and high-harmonic generation.



Dr. Xingde Li received his PhD degree in Physics from the University of Pennsylvania, and is currently a professor at the Department of Biomedical Engineering, Johns Hopkins University. He has published ~100 peer-reviewed journal papers, with a total citation ~13,100 and an H-index ~47 (Google Scholar). In addition, several of his patents have been licensed. He served as the chair of Emerging Technologies Committee of IEEE-EMBS (2006-2010) and chaired many conferences such as the OSA Biomedical Optics Topical Meetings 2010-2014. He serves on several grant proposal review panels for various funding agencies including the NIH, NSF, and EU. He has been a topical editor or associate editor for several international journals including the Journal of Biomedical Optics, Biomedical Optics Express, the IEEE Transactions on Biomedical Engineering, and Light: Science and Applications (Nature Publishing Group and CIOMP) etc. He is a Fellow of OSA, SPIE, and AIMBE.



José Luís Santos received his graduation in Physics from University of Porto, Portugal, and Ph.D. degree from the same University, benefiting from collaboration with the University of Kent at Canterbury, UK. He is Professor of Physics at the Physics and Astronomy Department of Faculty of Sciences of University of Porto, Portugal. He is also researcher of INESC TEC – Optoelectronics and Electronic Systems Unit. Optical fiber sensing is the main area of his research, with focus on interferometric and wavelength encoded devices. He is author or co-author of more than 250 scientific articles and co-author of 5 patents. With Professor Faramarz Farahi of University of North Carolina, USA, he was editor of Handbook of Optical Sensors, CRC Press, 2014.



Silvia Soria holds a M.Sc. and a Ph.D degree in Physics from the University of Barcelona in Spain. Previously she worked at Laser Laboratorium Goettingen e.V., in Germany, at ICFO- Institute of Photonics Science in Barcelona, Spain, and at the Centro Studi e Ricerche "E. Fermi". Currently she is a permanent researcher at IFAC- N. Carrara Institute of Applied Physics, of the Italian CNR. Her areas of research include lasers, non-linear optics, soft matter and optical biosensing. She has authored over 50 papers and presented her results in many international congresses.



Jürgen Van Erps was born in Etterbeek, Belgium, in 1980. He graduated as an Electrotechnical Engineer with majors in Photonics at the Vrije Universiteit Brussel (VUB) in 2003 and obtained his PhD in Engineering Sciences summa cum laude at the same university in 2008. Winner of the Barco-FWO Prize for Scientific Research in 2008. In 2009 and 2010. He was a post-doctoral researcher at the Centre for Ultrahigh bandwidth Devices for Optical Systems (CUDOS), at the University of Sydney, Australia. Since 2013, he is professor at VUB. His research interests include micro-optics design and fabrication, optofluidic labs-on-chips and experimental work on non-linear optics in photonic integrated chips. He authored 55 SCI-stated papers and more than 110 papers in international conference proceedings and is co-inventor of 3 patents. He is a senior member of SPIE and member of the OSA and IEEE Photonics Society.