



### Speaker Biography

**Prof. Joel Villatoro** received the M.Sc. and Ph.D. degrees in optics from the National Institute for Astrophysics, Optics, and Electronics, Puebla, Mexico, in 1995 and 1999, respectively. He is currently Ikerbasque Research Professor at the University of the Basque Country (UPV/EHU). Prior to his current position, Joel was a research fellow in industrial photonics at Aston Institute of Photonic Technologies, Birmingham, U.K., and Ramon y Cajal researcher at the prestigious Institute of Photonic Sciences (ICFO), Barcelona, Spain. He has also held research posts at the Centro de Investigaciones en Optica A. C., Leon, Mexico, the University of Valencia, Spain, and the Case Western Reserve University, Cleveland, Ohio, USA. Joel is the author of more than 115 scientific publications and 6 patents. He is internationally recognized for his seminal contributions to the fundamentals and technology of interferometric optical fiber sensors. To date, he has more than 3000 citations and h-factor of 31. He has given around 26 invited talks at international events. Joel's research interests include interferometric sensors based on standard, multicore and photonic-crystal fibers, applications of sensors in real-world environments, and development of micro- and nano-sensors for biomedical applications.