

## Humberto Michinel Profile

Humberto Michinel is Full Professor of Optics at the Applied Physics Department of the University of Vigo since 1999, where he leads the Optics Laboratory in Ourense. Previously, he studied Physics at the universities Complutense de Madrid and Santiago de Compostela (Spain), where he received his PhD and started his research in the field of nonlinear optics. Besides the joint publications with different teams in many countries, his international research trajectory includes several long stays at centers such as Chalmers University of Technology (Sweden), the Australian National University (Australia), the Ecole Normale Supérieure (France) or the Max-Planck Institut für Quantenoptik (Germany).

Much of his scientific activity has been focused on the study of nonlinear wave propagation in different systems. He is co-author of over one hundred scientific works, highlighting discoveries of several new optical concepts like the “Liquid of light”, the prediction of atomic soliton lasers or new types of nonlinear optical vortices and more recently, optics of Dark Matter.

Prof. Michinel has been also involved in the organization of numerous scientific conferences among which the X National Meeting of Optics (Ourense, 2009) the NLQGAS-10 (Ourense, 2010), Nonlinear Guided Waves-V (Santiago de Compostela, 2012) or the ICO-23 (Santiago de Compostela, 2014). He has been also an active volunteer in the International Commission for Optics, where he has been elected vice-president (2011-2017) and currently Secretary General. He has been the last President of the European Optical Society and now its Past-President

Concerning education in optics, he is director of the School of Aerospace Engineering in Ourense and has supervised ten doctoral thesis. Prof. Michinel founded, together with other partners like his own University, the spin-off company ERH-ILLUMNIA, in the field of solid-state lighting.

## Humberto Michinel Statement

The International Commission for Optics (ICO), has been successfully promoting Optics and Photonics worldwide for 25 years. During this time, a global world has emerged with new socio-economic, technological and scientific challenges. The sciences of Light have played an important role in all these changes, as it has been recognized by the UN with the celebration of the “International Year of Light” during past 2015.

In my years as ICO vice-president and Secretary General, I have learned that international scientific institutions are in the best position to take advantage of the new international scenario. A global World needs strong international players. Therefore, if reelected, I will do my best to make ICO a stronger player, working to expand to new territories specially in Africa and Latin America, where Spain, my country, has strong geographical and historical ties. I hope that the ICO-23 congress and the activity I’ve carried out as ICO General Secretary can give you a glimpse of my capacity of achieving this goal.

Name: Humberto Michinel

Born: 07.04.1968

PhD received: 1996

Country: Spain

Institution: Universidade de Vigo

Position: Full professor

Candidate for: ICO Secretary General

