



Curriculum Vitae

Informazioni personali/

Personal Information

Nome e Cognome / Name and Surname *Silvia Soria Huguet*

Genere / Gender Femmina

Esperienze professionali/

Work Experiences

14/06/1999 - 31/08/2002 Laser Laboratorium Goettingen e.V.

Research Associate in Post-Doctoral position at Laser Laboratorium Göttingen, in the framework of SILC project, EU contract number ERB FMRXCT 98. Achievements: leader of the project “Grating Waveguide Structures for Nonlinear Optics and Biotechnology”, in collaboration with the Weizmann Institute of Science, Rehovot, Israel. Co-supervision of the PhD student Yurii Fokin through an INTAS program during his stage in Laser Laboratorium Goettingen (Germany), for phase transition in ferroelectric liquid crystals studied by Second Harmonic Generation

02/09/2002 - 31/07/2006 ICFO

leader of the Project “Laboratory of Ultrashort pulses”; research fellow (Ramon y Cajal Grant); leader of the project “Diffractive nanostructures for applications in modern optics”; leader of the project “Immunosensors based on resonant nanostructures as alarm devices for androgenic hormones” HiNan ; leader of the project PANOPTES “Integrated approach to the development of technologies for antibiotic residue control to improve food safety from the farm to the table”, supervision of the PhD thesis of Anisha Thayil K. N. based on Resonant Structures for Nonlinear Biosensing.

01/08/2006 - 31/07/2009 Centro Studi e Ricerche Enrico Fermi

leader of the project “Composite microcavities for nonlinear-optical switching and amplifying”, cosupervisor of M.Sci. thesis (“Laurea Triennale”) of Andrea Salti, CNR tutor of M.Sci thesis of Federica Bianco based on Microstructured Optical fibres: characterisation and applications of a Supercontinuum Source.

01/08/2009 - CNR-IFAC

Permanent position since 16th February 2010, N. matricola 11523, Senior Researcher (Primo Ricercatore II livello) since 2020. Achievements: leader of the project 2021-2023: “Active resonant tunable dielectric microstructures for ultrafast photonics” leader of the project 2017-2019: “All-optical morphogenesis of nanoparticles studied by photoacoustical microscopy” Short term mobility 2014 (Protocollo 0026338 del 03/04/2014) leader of the project “Microcavità ottiche per il rilevamento di proteine nel plasma” (Protocollo:0001044 del 12/03/2013) leader of the project “ Optical Microcavities for antibiotics and steroids detection” (Protocollo: 0011544 del 04/02/2011); leader of the project “ Optical Biosensors based on nanoporous silicon” (Protocollo: 0001624 del 15/04/2011). Short term mobility-soggiorno stranieri 2011 (Protocollo: 0050403 del 06/07/2011). Habilitation as associated

professor in Applied Physics by ASNN. ERC-Cog (2014): B level (Not funded) international Patent.

Istruzione e formazione/ Education and Training

03/10/1988 - 31/08/1994 Master of Science in Physics by the University of Barcelona, Master of Science in Applied Physics by the University of Florence (IT) (2008)

01/09/1994 - 21/01/1999 Doctoral Dissertation Title: "Morphogenesis in Non-linear Optics and Hydrodynamics"
Directors: J. Salan Santos, Prof. at Faculty of Physics, University of Barcelona and F. Tito Arecchi, Prof. at University of Florence and Director of the Istituto Nazionale di Ottica (I.N.O) in Florence. PhD in Physics by the University of Barcelona awarded with distinction ("Excellent Cum Laude unanimously"), 1999

Competenze personali/ Personal Skills

Lingua madre / Mother tongue Catalan

Altre lingue / Other languages *Livello / Level *

Spanish C2 - Fluente

English C2 - Fluente

Italian C2 - Fluente

German C1 - Avanzato

*Autovalutazione / Self-assessment: [Quadro Comune Europeo di Riferimento delle Lingue / Common European Framework of Reference for Languages](#)

Altre competenze/ Other Skills

Altre competenze / Other skills OSA Nonlinear Photonics General Chair; Editor in Chief of Journal of European Optical Society: Rapid Publication; Evaluator of several national and international funding Agencies.

Patente di guida / Driving licence

Ulteriori informazioni/ Additional Information

Sito personale / Personal web <http://miplab.ifac.cnr.it>

pages

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