

BEYOND ICFO

Alumni Careers
around the World

30 September



Agenda

10:00h Director's Welcome

10:10h How far does the ICFO Alumni Network reach?

Where are ICFO Alumni? Which are the most common positions among ICFOians? In which research areas, industries and sectors are they applying the training learned at ICFO?

10:20h Introduction to the Mentoring Program

10:30h PANEL I - ICFOians around the world: In Academia

In this panel Alumni will share experiences in many areas of Academia, conducting research, and / or teaching at different academic levels

Margherita Mazzera, Associate Professor at Institute of Photonics and Quantum Sciences, School of Engineering and Physical Sciences, Heriot-Watt University

Michele Sclafani, Physics Teacher at Col·legi Badalonés

Agustín Mihi, Tenured Scientist at ICMAB-CSIC

Armand Niederberger, Executive Director, Stanford Photonics Research Center (SPRC)

11:15h Career Fair & Networking Coffee

Whether in academia or industry, Alumni will share their current projects and careers insights.

12:15h PANEL II - ICFOians around the world: In Industry

In this panel we will hear from Alumni who have transitioned to industry to conduct research, launch start-ups, consult, or apply their training in a number of other areas.

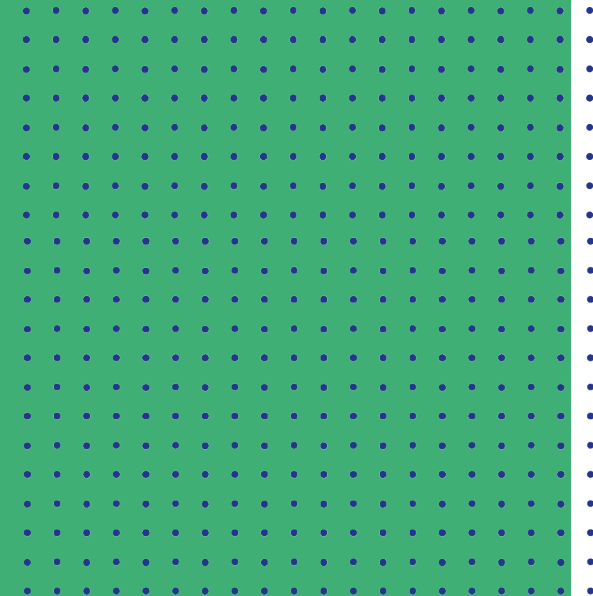
Michael Geiselmann, Co-Founder at Ligentec

Sandra de Vega, Sales Engineer at Menlo Systems GmbH

Yu Bi, Team leader of fabrication at Qurv Technologies

Achim Woessner, Architect at ASML

13:00h Lunch and networking



Speakers - PANEL I- ICFOians around the world: In Academia



Margherita Mazzer

Associate Professor at Institute of Photonics and Quantum Sciences, School of Engineering and Physical Sciences, Heriot-Watt University

I am associate professor at Heriot-Watt University and one of the principal investigators of the Quantum Photonics Lab. Here, I lead a research team working towards the development of integrated photonic quantum memories for quantum communication applications. My research experience is at the interface between experimental solid-state physics, nano-science, quantum optics and quantum information science, and contains aspects of both fundamental and applied research. Prior to moving to Edinburgh in 2019, I spent more than six years at ICFO, the Institute of Photonic Sciences of Barcelona, as a research fellow. There, I led the Solid-State Quantum Memories project within the group of ICREA professor Hugues de Riedmatten, my research activity being devoted to developing novel solid-state devices to generate, store and on-demand retrieve quantum states of lights for quantum communication applications. My earlier research activity mainly focused on fundamental investigation of rare earth ions dispersed in insulating materials (at the University of Parma, Italy) or defect centers in nanoscale transparent semiconductors for gas sensors (National Research Council, Italy).



Michele Sclafani

Physics Teacher at Col·legi Badalonés

After completing his PhD in molecular quantum optics at the University of Vienna, I joined ICFO in 2014 to work on laser induced electron diffraction experiment. In 2016 I decided to become a teacher and to explore the world of illustration. I currently teach physics to ESO and Batxillerat students and I work as a free lance illustrator for Aloop Visual & Science, a scientific dissemination project I founded in 2016.



Agustín Mihi

Tenured Scientist at ICMAB-CSIC

Agustín obtained his Ph.D. in physics in 2008 from the Institute of Materials Science of Seville ICMS-CSIC. He was a Beckman postdoctoral fellow (2008-2011) at the University of Illinois in Urbana-Champaign (USA) developing novel unconventional techniques to fabricate photonic architectures compatible with current mass production processes. In 2011, Agustín moved to ICFO with a Marie Curie COFUND fellowship ICFONEST, where he worked with solar cells based in colloidal quantum dots (Prof. Konstantatos). In 2015, he moved to the Institute of Materials Science of Barcelona (ICMAB - CSIC) with a Ramon y Cajal Fellowship and an ERC Starting Grant, finally becoming a tenured researcher in 2018.

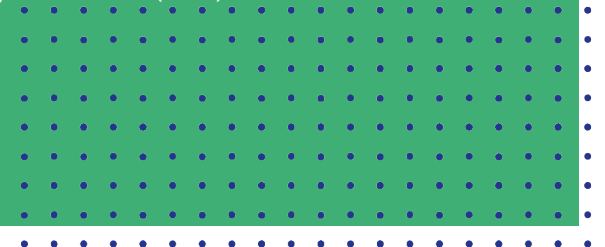
At ICMAB, Dr. Mihi leads a research group dedicated to the fabrication of large area photonic and plasmonic architectures that can be seamlessly implemented in emerging optoelectronic devices to improve their performance.



Armand Niederberger

Executive Director at Stanford Photonics Research Center

Dr. Armand C. R. Niederberger is the Executive Director of the Stanford Photonics Research Center (SPRC), and the Founder of ExNada Inc. He previously held positions in Industry focusing on Machine Learning and software development, as well as academia, focusing on optimization, nano-photonics, and quantum optics. He holds a PhD in Applied Physics and Scientific Simulation from ICFO - The Institute of Photonic Sciences in Barcelona, and a MSC in Physics Engineering from the Swiss Federal Institute of Technology in Lausanne (EPFL).



Speakers - PANEL II - ICFOians around the world: In Industry



Michael Geiselmann

Co-Founder at Ligentec

Michael Geiselmann (co-founder) studied physics and engineering at University Stuttgart and Ecole Centrale Paris. After his PhD at ICFO in Barcelona in 2014 he joined the laboratory of Prof. Kippenberg at EPFL in Lausanne, where he advanced frequency comb generation on integrated silicon nitride chips towards applications and was involved in several international research projects. In 2016, he co-founded LIGENITEC and brought the company to the international stage of photonic integration



Yu Bi

Team leader of fabrication at Qurv Technologies

Yu Bi is a Materials Scientist. She got her PhD degree in 2013 at the Institute of Semiconductors of the Chinese Academy of Sciences. In August 2013, she joined the Optoelectronic Materials group in TU Delft as a postdoctoral researcher, where she investigated the photo-induced charge carrier dynamics of surface modified nanocrystals. In October 2015, she joined the Functional Optoelectronics Nanomaterials group at ICFO, spending three productive years on investigating the light harvesting in the infrared by means of colloidal quantum dots based solar cells. In July 2018, she joined an incubation project that develops a visible, infrared light detection technology based on colloidal quantum dots and graphene. In September 2020 she witnessed the birth of the new start-up--- Qurv, from the incubation project. Since then, she has been working at Qurv, leading a fabrication R&D team.



Sandra de Vega

Sales Engineer at Menlo System GmbH

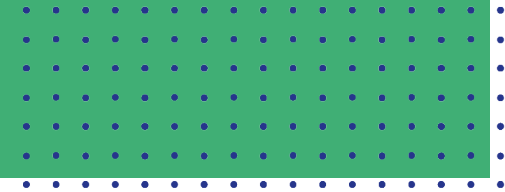
Since 2020, I am a Sales Engineer at Menlo Systems helping researchers around the world to design and procure those laser systems that enable their experiments. After my Physics studies, I specialized in Photonics through my PhD at ICFO. I have lived in a couple of beautiful cities (Madrid, Lund, Barcelona, Eindhoven) before moving to Munich and I am always ready to engage in interesting topics.


























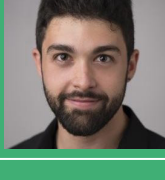
Achim Woessner

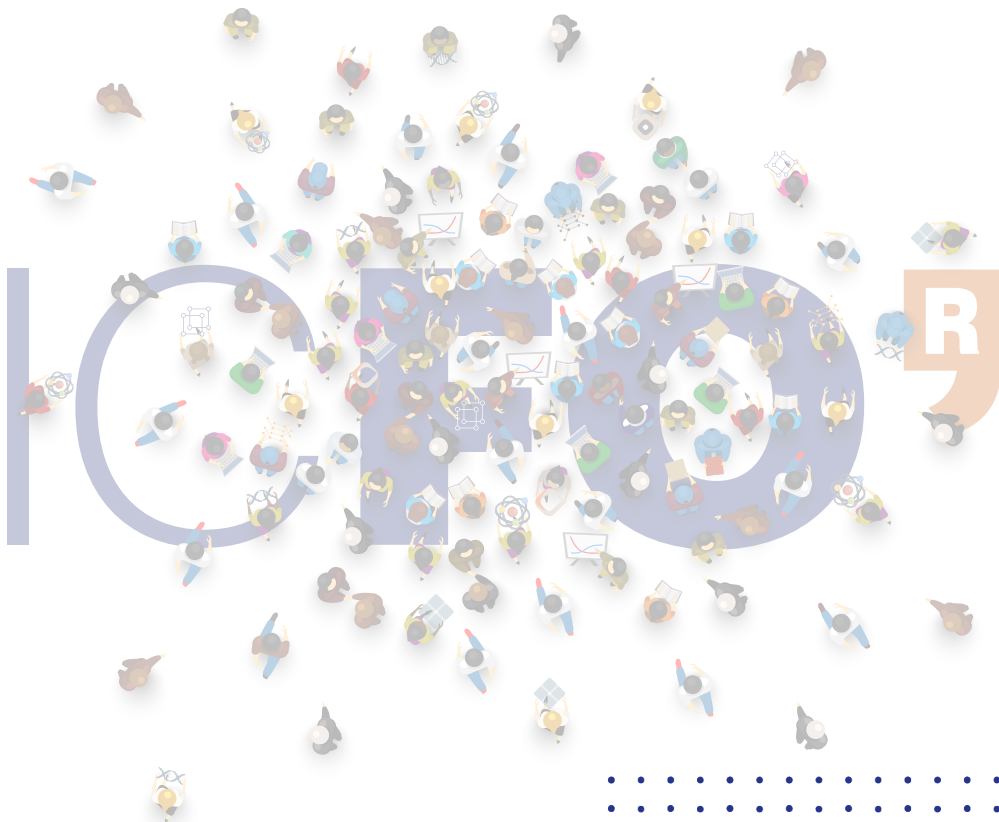
Architect at ASML

After finishing his Ph.D. at ICFO in 2017, Achim was eager to use his skills in industry and in January 2018 started to work at ASML in the Netherlands. There, he was one of the architects of a next generation wavefront sensor, spent 6 months in Korea working with a leading memory manufacturer on upcoming processes and in May 2022 became responsible for technology studies at imec.



CAREER FAIR - List of participants

Name	Current Position	Name	Current Position	Name	Current Position	Name	Current Position
	Carlo Manzo Associate professor, UVic-UCC		Sandra de Vega Sales Engineer, Menlo Systems		Giovanni Volpe Full Professor at the Physics Department, University of Gothenburg / IFLAI AB		Claus Lindner Director of Engineering, CoMind Technologies Ltd.
	Naeimeh Behbood Chief Operation Officer, Sana Meditech		Joel Villatoro Ikerbasque Research Professor, University of the Basque Country UPV/EHU		Danny Krautz Chief Digital Officer, CeramTec		Tanja Dragojevic Translational Optics Lead, CoMind Technologies Ltd.
	Agustín Mihi Tenured Scientist, ICMAB CSIC		Clara Osorio Tamayo Senior Scientist, TNO		Michael Geiselmann Tenured Scientist, ICMAB CSIC		Sebastián Etcheverry Co-founder & CTO, LuxQuanta
	Simon Coop Experimental Plasma Physicist, General Fusion		Alexia Salavrakos Quantum information scientist, Quandela		Achim Woessner Architect, ASML		Martin Hendryck R&D Product Manager, Jeanologia
	Armand Niederberger Executive Director, Stanford Photonics Research Center		James Hugall CEO and Cofounder, Breaz Medical		Bárbara Buades Co-Founder & CEO, Meetoptics		Alexander Block Software Engineer, Meetoptics
	Michele Sclafani Teacher, Col·legi Badalonès/ Illustrator Aloop Visual & Science		Roser Juanola-Parramon Research Engineer Scientist, NASA Goddard Space Flight Center		Pedro Martínez Co-founder & CTO, Sixsenso		Nicola palombo blascetta Research System Engineer, Satellogic



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