



EPIC World Industrial Quantum Photonics Technology Summit

ICFO hosted summit bringing together future supply chain for new quantum technologies

June 07, 2019

On June 5 and 6, ICFO hosted the **EPIC Industrial Quantum Photonics Technology Summit**, bringing together companies that will constitute the supply chain for the commercialization of new products that are the result of R&D initiatives of the second quantum revolution.

According to the EU Quantum Technologies Flagship, as well as many other initiatives worldwide in Quantum technologies, today's second quantum revolution is expected to introduce paradigm shifts in the fields of quantum communication, quantum simulation, quantum computing and quantum sensing and metrology. In line with these areas, the EPIC Industrial Quantum Photonics Technology Summit aimed to prepare the supply chain for related product ranges.

The strong focus on quantum activities at ICFO, with fourteen of the center's groups

participating in research related to quantum technologies, created the impetus for ICFO to host this event. Likewise, ICFO is playing a leadership role in several projects within the Quantum Flagship. The theories, experiments and discoveries of groups at the center often represent essential technological elements in today's cutting-edge applications and are also setting the foundations of future quantum solutions.

ICREA Prof. at ICFO Dr. Valerio Pruneri, leader of the Optoelectronics research group, offered a talk within the summit about the Quantum Flagship project he leads entitled $i\frac{1}{2}$ CiViQ- Bringing continuous-variable QKD technology into emerging optical telecommunication networks $i\frac{1}{2}$. In addition, Domenico Tulli, CTO of QuSide, an ICFO spin-off company that develops quantum technologies for the cyber-security and super-computation worlds, also offered a keynote talk during the summit.

ICFO is proactive in fostering entrepreneurial activities, spin-off creation, and creating collaborations and links between industry and researchers, with 7 start-up companies incubated and launched in the KTT LaunchPad to date.



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