The 2nd Alain Aspect Symposium on the applications of Quantum Technologies is dedicated to climate change research and mitigation

- Registration now open -

Paris, July 22nd 2024 - Registration for the "*Alain Aspect Symposium: Climate & Quantum*" is open as of today: this event will take place on **November 19th-20th, 2024,** at iXcampus in the greater Paris region, France, following the successful organization of two key conferences in North America at the end of 2023. This prestigious event, hosted in the historic Château Saint-Léger of Saint-Germain-en-Laye, will bring together leading climate scientists and quantum industry specialists to address and act upon applications of quantum technologies in overcoming the climate challenge.

This conference will take the form of two days of presentations, breakout sessions and debates, gathering a wide variety of stakeholders, both climate science researchers and specialists from the quantum industry, both corporates and start-ups, as well as funding agencies, governments and students…

- ⇨ Interested parties are invited to discover the program, including details for potential sponsors, and sign up by clicking on the following link: **https://www.symposium-alainaspect.com**

Building on the success of two major events in North America last year - "Quantum For Climate & Sustainability" held in New York state in October 2023 and the inaugural Alain Aspect Symposium at Université de Sherbrooke (UdeS) last November in Québec (Canada) - the second edition of the Alain Aspect symposium is expected to gather 250 specialists around the urgent and critical topic of climate change. The symposium aims to foster new collaborations which will harness the power of quantum technologies to tackle environmental challenges. This Symposium is co-organized by **Quantonation**, **Institut Quantique**, **iX Campus**, **Institut d'Optique Graduate School** and **Le Lab Quantique**.

"*The quantum ecosystem is entering a new phase: that of practical applications. As numerous climate challenges loom large, quantum technology holds potential to contribute solutions. However, to achieve success, addressing humanity's climate crisis requires a convergence of scientific disciplines. This is the main goal of this 2nd Symposium. One thing is clear: any solution will invariably hinge upon rigorous scientific inquiry and discovery*", states Professor **Alain Aspect**, Nobel Prize laureate for Physics (2022) and co-founder of Pasqal.

"*The symposium will serve as a collaborative space where experts from diverse fields converge to explore the transformative potential of quantum computing in developing practical and impactful solutions. This cross-disciplinary exchange of ideas and outlooks holds the promise of catalyzing groundbreaking discoveries in computational methodologies, specifically tailored to address urgent real-world challenges in these critical areas*", analyses **Annarita Giani**, Senior Scientist at GE Vernova Advanced Research Center and member of the program committee.

"*We're very happy to host such a high-level symposium at Chateau St Léger. No other application can be more important for the quantum sector. The goal of this symposium is to foster concrete guidelines that will facilitate synergies and I look forward to the outcome of the discussions*", concludes **Clara Doly**, Director of Programs at iXcampus.

About Quantonation

Quantonation is the first early-stage VC fund dedicated to deep physics and quantum technologies. Fields such as high-performance computation, secure communications, drug design, or ultra-precise sensing are now driven by innovationbased on these disruptive technologies. Quantonation aims to support their transition into commercially available products. Quantonation is headquartered in Paris, France, and Boston, USA, and it has investments in Europe, NorthAmerica, and Asia -Pacific. www.quantonation.com

About Institut Quantique

The major investment of the Canada First Research Excellence Fund (CFREF) led to the creation of the Institut quantique in 2016, a research institute at the Université de Sherbrooke that focuses mainly on quantum science and technologies. We bring together experts in quantum materials, quantum information and quantum engineering to conduct high-quality fundamental research and develop the quantum technologies of the future. Our institute has an experimental research and numerical computing infrastructure managed by a team of qualified technicians and research professionals. We offer a dynamic research environment including summer schools that attract students from around the world as well as weekly seminars and annual workshops on quantum materials, quantum information, mesoscopic physics or digital methods. Research at the Institut quantique is carried out in a spirit of collaboration reinforced by many solid collaboration with researchers from other countries.

About iXcampus

iXcampus is a mission-driven company bridging the gap between the academic (research and training) and socio-economic worlds. Its mission: “Through conferences, training and incubation programs, iXcampus fosters open innovation and creates the right conditions for the development of high-impact technological solutions”.

About Le Lab Quantique

Le Lab Quantique is a French nonprofit supporting the Global Quantum Ecosystem whose aim is to foster the emergence of talents capable of tackling the major challenges of Quantum and Deep Physics and also to guide and support the development of entrepreneurial projects (start-ups and corporate projects) as they bring new products and services to markets.

About Institut d’Optique Graduate School (IOGS)

Institut d’Optique Graduate School is a non-profit higher education institution, chartered by the French Government performing research from fundamental to applied optics and photonics and proposing Masters and PhD programs in photonics, optical sciences and engineering. IOGS is a founding member of Paristech and Université Paris Saclay.

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