

40
SPEAKERS

7
COUNTRIES
REPRESENTED

**A UNIQUE
DAY TO**

- Explore the amazing progress of Quantum Computing technologies and foresee the upcoming real-world use cases
- Meet the pioneers of the international Quantum Computing ecosystem: startups, corporates, investors, scientists and leading experts



MANAGE AND OPTIMIZE YOUR VISIT
TO ALL OUR EVENTS

DOWNLOAD
OUR APPLICATION
BPIFRANCE
ÉVÉNEMENTS



BPIFRANCE ÉVÉNEMENTS

- 📄 Consult the program
- 📅 Plan your day
- 👤 Contact participants

Don't miss any more opportunities to develop your network and business!

VIDEOS OF
THE CONFERENCE WILL BE
AVAILABLE SOON
ON OUR WEBSITE

WWW.QCB-CONFERENCE.COM

Bpifrance contact on **Quantum Computing**:
Jean Christophe Gougeon
jc.gougeon@bpifrance.fr

bpifrance
SERVING THE FUTURE

< Q | C | B >

**QUANTUM COMPUTING BUSINESS
CONFERENCE 2019**

PARIS
JUNE 20th, 2019

International
Quantum Computing
Business Conference
PROGRAM

#FUTUREISQUANTUM

ORGANIZED BY

SPONSOR **Atos**

STRATEGIC PARTNER **McKinsey
& Company**

bpifrance

Atos

IBM

**QUANTO
NATION**



Quantum computing is the technological revolution that will transform many economic sectors by solving certain problems far faster than conventional machines.

Due to its brand-new programming approach, the entire value chain - including hardware, system architecture, algorithms, software, applications and services - has to be fully reinvented.

The conference's program has been designed to address this issue by exploring the amazing progress achieved by international leading stakeholders on the whole stack (startups, corporates, investors, researchers and experts) and by foreseeing the quantum computing upcoming real-world applications.

Bpifrance really believes that it is time for France and Europe to fully embrace this upcoming challenge.

Enjoy the roundtables, keynotes and company pitches.

Nicolas Dufourcq
CEO OF BPIFRANCE

< PROGRAM >

9AM

Welcome speech

- Paul François FOURNIER - SVEP Innovation, Bpifrance
- Cedric O - Minister for the Digital Economy, French Ministry of Economy and Finance

9.10AM

Introduction to the future of Quantum Computing

HOW WILL QUANTUM COMPUTING BENEFIT THE WORLD?

- Alain ASPECT - Professor at Institut d'Optique and Ecole Polytechnique, Member of the French Academy of Science and Academy of Technologies, recipient of the Wolf, Einstein, Bohr and other prestigious scientific prizes, among them the Balzan prize for quantum information
- Antoine PETIT - President and CEO, CNRS, France

BEST PRACTICES IN NATIONAL QUANTUM COMPUTING INITIATIVES

- Andrew DZURAK - Scientia Professor, Chief Investigator & Executive Member at ARC Centre of Excellence for Quantum Computation and Communication Technology, University of New South Wales, Australia
- John MORTON - Founder & Director, Quantum Motion, UK
- Philippe GRANGIER - Research Director, CNRS / Institut d'Optique, France
- Tommaso CALARCO - Director, Institute of Quantum Control, Forschungszentrum Jülich, Germany
- Roundtable moderated by Philippe DULUC - CTO, Atos, France

ON THE RACE FOR QUANTUM ADVANTAGE!

- Heike RIEL - IBM Fellow, Department Head Science & Technology, IBM Research, Switzerland
- Vern BROWNELL - President and CEO, D-Wave Systems, Canada
- Bernard OURGHANLIAN - CTO & CSO, Microsoft, France
- Nima ALIDOUST - Vice President Strategy, Rigetti Computing, USA
- Roundtable moderated by Olivier EZRATTY - Consultant, author and speaker on deep technologies, France

11AM

COFFEE BREAK

11.20AM

Acceleration in the Quantum Computing Ecosystem

QUANTUM COMPUTING IN EUROPE - A CALL TO ACTION

- Eric HAZAN - Senior Partner, McKinsey & Company, France
- Alexandre MENARD - Senior Partner, McKinsey & Company, France
- Daniel VOLZ - Senior Consultant, McKinsey & Company, Germany

FROM R&D TO MARKET: THE INDUSTRIALIZATION CHALLENGE

- Maud VINET - Quantum hardware program manager, CEA Leti, France

FUNDING THE NEXT FRONTIER

- Christophe JURCZAK - CEO, Quantonation, France
- Matthieu REPELLIN - Investment Manager, Airbus Ventures
- Kristjan SIGURDSON - Director of Community, Creative Destruction Lab, Canada
- Roundtable moderated by Gilles SCHANG - Deputy Managing Director, Bpifrance

THE QUANTUM ECOSYSTEM STRATEGY OF IBM

- Nicolas SEKKAKI, President, IBM, France

1PM

LUNCH BREAK

2PM

Solutions for Quantum Computing Integration

SOLUTIONS FOR ACHIEVING NISQ ERA QUANTUM ADVANTAGE

- Joseph EMERSON - CEO and Founder, Quantum Benchmark, Canada

QUBITS: QUANTUM COMPUTING CIRCUITS AND DEVICES

- Stewart ALLEN - COO, IonQ, USA

NEW APPROACHES TO ALGORITHM DEVELOPMENT

- Nima ALIDOUST - Vice President Strategy, Rigetti Computing, USA

QUANTUM COMPUTING ALGORITHM AND NEW BUSINESS APPLICATIONS

- Christopher SAVOIE - CEO, Zapata Computing, USA

HIGH POWER COMPUTING: PREPARING THE TRANSITION

- Thierry BRETON - Chairman & CEO, Atos, France

3.40PM

COFFEE BREAK

4PM

Near term applications and use cases of Quantum Computing

FRENCH INDUSTRIAL QUANTUM USE CASES

- Thierry BOTTER - Head of Airbus Blue Sky, Germany
- Henri CALANDRA - Expert in numerical methods and HPC for geoscience, France
- Stéphane TANGUY - CIO & CTO at EDF Labs, EDF, France

FRENCH Q-STARTUPS PITCHES

- Valerian GIESZ - CEO, Quandela, France
- Georges-Olivier REYMOND - CEO, Pasqal, France
- Bruno DESRUELLE - Co Founder and CEO, Muquans, France
- Marc KAPLAN - President, VeriQloud, France
- Igor CARRON - CEO and Co-Founder, LightOn, France

5.45PM

Conclusion and next steps

BUILDING THE FRENCH QUANTUM ECOSYSTEM

- Pascale SENELLART - Research Director, CNRS, Member of Sirteq, France
- Daniel VERWAERDE - President, Teratec, France

UPDATE ON THE FRENCH PUBLIC QUANTUM INITIATIVE

- Paula FORTEZA - French Quantum Mission Project Leader & Member of Parliament, France

CLOSING

- Cedric VILLANI - Fields medal recipient & Member of Parliament, France
- Nicolas DUFOURCQ - CEO, Bpifrance