

PRESS RELEASE

**Official presentation of the Quantum World Association
at the Mobile World Congress**

Leading global quantum companies found the first worldwide quantum association.

Barcelona, March 7th 2017

The impact of first generation quantum technologies in our everyday life is a reality in several areas such as lasers, magnetic resonance imaging, GPS.

The second quantum revolution is already underway. Governments and companies worldwide are investing substantially to unleash the power of quantum technologies. The first quantum communication satellite was launched last year, several quantum devices for Cybersecurity, quantum sensing and metrology, quantum simulation and other applications are already operational.

Key government and commercial projects, at hardware and software level, are under development.) such as the announced done this week about an industry-first initiative to build commercially available universal quantum computing systems.

With the vision to bring together players in the field of quantum technologies and services, a group of leading companies has decided to found the **Quantum World Association**, a not-for-profit organization based in Barcelona (Spain).

The vision of the Quantum World Association is to connect researchers, universities, companies and institutions to develop a quantum ecosystem and further promote quantum technologies.

“Following the great acceptance of the quantum ThinkTank Barcelonaqbit, six months ago we decided to do a further step and to create an Association” said Alfonso Rubio-Manzanares, CEO of Entanglement Partners (Spain) and co-founder of the Quantum World Association.

The association was officially presented on March 2nd at the Mobile World Congress.

“The Association has the objective to connect quantum industry and scientific leaders to create common standards, to understand business insights and to be a knowledge center for the industry” said Giorgio Maritan, Managing Director of Quantum World Association.

“Cybersecurity is one area where organizations are already preparing today for the quantum era, which is driving the growth of a new industry that brings both conventional and quantum technologies designed to be safe in an era with quantum computers” said Michele Mosca, CEO and Co-founder of EvolutionQ Inc. (Canada).

“During the Mobile World Congress, we were able to demonstrate some of our quantum-safe security solutions, including our existing quantum random number generator and Quantum Key Distribution solutions. The cyber security community must integrate the risk of quantum computing into its strategy and protect data for the long-term future. Our common challenge is to help governments and enterprises to get ready in a timely manner,” said Dr Grégoire Ribordy, CEO of ID Quantique (Switzerland).

The Quantum World Association confirmed that it is structuring 3 chapters that will help the international development.

The chapters are the following:

- Asia. Led by H-Bar (Australia)
- Americas. Led by EvolutionQ (Canada)
- Europe. Led by IDQuantique (Switzerland) and Entanglement Partners (Spain)

“The Quantum World Association is a major milestone in the field of quantum technology. It illustrates to the world that we are ready to move out of the physics laboratory and into the industrial and commercial space. H-bar is privileged to be a founding member and we anticipate a new revolution in the information technology sector firmly grounded in quantum technology” said Simon Devitt Co-founder of H-Bar (Australia)

“Our vision is to become the epicenter of Quantum knowledge empowering companies and other institutions to lead the future of quantum industries. We are proud of the commitment of our founding members and we encourage companies to be involved in our association. Let's build the future together” said Oscar Sala, Chairman of the Board of Quantum World Association

Company Information:

About ID Quantique

Founded in 2001 as a spin-off of the Group of Applied Physics of the University of Geneva, ID Quantique is the world leader in quantum-safe crypto solutions, designed to protect data for the future. The company provides quantum-safe network encryption, secure quantum key generation and Quantum Key Distribution solutions and services to the financial industry, enterprises and government organizations globally. IDQ's Quantum Random Number Generator has been validated according to global standards and independent agencies, and is the reference in highly regulated and mission critical industries - such as security, encryption and online gaming - where trust is paramount.

IDQ's products are used by government, enterprise and academic customers in more than 60 countries and on every continent. As a privately held Swiss company focused on sustainable growth, IDQ is proud of its independence and neutrality, and believes in establishing long-term and trusted relationships with its customers and partners.

For more information, please visit <http://www.idquantique.com>

About evolutionQ Inc:

Powerful new quantum technologies promise tremendous benefits, but also pose serious threats to cybersecurity.

evolutionQ is the first company worldwide dedicated to offering the services and products organizations need to manage their quantum risk and to deploy cyber tools designed to be safe against quantum computers in a timely and cost-effective manner.

evolutionQ was founded and is led by global leaders in quantum-safe cybersecurity credited with:

- Leading fundamental research underpinning quantum-safe cybersecurity
- Co-founding the Institute for Quantum Computing
- Initiating and driving global standardization efforts
- Teaching and training the quantum-safe workforce
- Transferring knowledge and technology to industry and government for over two decades.

With a team of individuals with decades of experience bringing new cryptographic tools into widespread application, evolutionQ can evolve your organization to a quantum-safe position.

For more information, please visit <http://www.evolutionq.com/>

About H-Bar

Founded in 2016 (Melbourne, Australia) , H-Bar is the first expert driven consultancy firm in the emerging field of quantum technology. We are on the cusp of a second revolution in information processing and electronics, with devices being built to actively exploit the strange and often counterintuitive rules of quantum mechanics. We are here to help and guide your understanding of this exciting new field and identify new and lucrative investment opportunities in this world changing class of technology.

Our team consists of world recognised experts in the fields of quantum computing and communications systems, solid state, condensed matter and optical physics, quantum software engineering and experimental fabrication and design of active quantum technology. Founded by Dr. Simon Devitt (Riken, Japan and Macquarie University, Sydney), Dr. Jared Cole (RMIT University, Melbourne) and recently joined by our new partner Professor Keith Schwab (Caltech) we offer consultation services to bring together the scientific expertise in quantum technology with the commercial and industrial sector to help create an entirely new industry focused around quantum information and quantum technology.

For more information, please visit <http://www.h-bar.com.au/>

About Entanglement Partners

Entanglement Partners is the first consulting company in Spain and Latin America whose business is focused in quantum technologies: Quantum Computing, Telecommunications, CyberseQurity, Simulation and Algorithms.

Entanglement Partners has been founded by a multidisciplinary team of business executives and internationally recognized scientific professionals who are specialized in quantum technologies.

The company develops its activity mainly in three areas: strategic technology consulting, distribution and deployment of quantum products, design of projects related to quantum telecommunications and technology.

Founded in 2016, it is headquartered in Barcelona with offices in Madrid (Spain), San José (California USA) and Kerala (India).

For more information, please visit <http://www.entanglementpartners.com/>

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