

## Biographies of the 2018 Honorary Doctorates

**Professor Alain Aspect**, a Wolf Prize Laureate in Physics and a professor at the Institut d'Optique Graduate School (Université Paris-Saclay) and at École Polytechnique, received an Honorary Doctor of Science.

Professor Aspect is a Senior Fellow at the Institute for Advanced Study at CityU, a Member of the French Academy of Sciences and a Foreign Member of the Royal Society in the UK and several other foreign academies.

Professor Aspect is known for his experiments illuminating the most intriguing properties of quantum mechanics. His Bell's inequalities tests with pairs of entangled photons in 1982 have helped to settle a debate between Albert Einstein and Niels Bohr that started in 1935. He has also, with **Professor Philippe Grangier**, given a striking demonstration of wave-particle duality for a single photon, including the participation to an experimental realisation of the Wheeler's delayed choice experiment.

After his contribution to the development of laser cooling of atoms, with **Professor Claude Cohen-Tannoudji** from 1985 to 1992, he has switched to ultra-cold atoms physics, where the group he has established revisits with atoms landmarks of photonic quantum optics and develops quantum simulators of disordered materials using atomic Bose-Einstein Condensates.

He has received many awards, including the CNRS Gold Medal in 2005, the Wolf Prize in Physics in 2010, the Niels Bohr Gold Medal and the Albert Einstein Medal in 2012, the Ives Medal/Quinn Prize of the OSA in 2013, and the Balzan Prize in quantum information in 2014.