

Biographies of the 2017 Honorary Doctorates

Professor Serge Haroche, a distinguished scholar and a Nobel Laureate in Physics, received an Honorary Doctor of Science. Professor Haroche is Senior Fellow at the Institute for Advanced Study at CityU and Professor Emeritus at the Collège de France. His main research activities lie in quantum optics and quantum information science. He graduated from the École Normale Supérieure and received his doctorate from Paris VI University in 1971. After a post-doctoral visit to Stanford University in the laboratory of Arthur Schawlow, he became Professor at Paris VI University in 1975. In 2001, he was appointed Professor at the Collège de France and became President in 2012, a position he held until 2015.

Professor Haroche has made significant contributions to cavity quantum electrodynamics, including the observation of single atom spontaneous emission enhancement in a cavity, the direct monitoring of the decoherence of mesoscopic superpositions of states (so-called Schrödinger cat states), and the quantum-non-demolition counting of photons.

He has received many prizes and awards, culminating in the 2012 Nobel Prize in Physics, which he shared with **Professor David Wineland**, from Boulder, Colorado in the US. He is a Member of the French Academy of Sciences and the European Academy of Sciences; and a Foreign Member of the National Academy of Sciences in the US, the American Academy of Arts and Sciences, and Brazilian, Colombian, Moroccan and Russian academies of sciences. Professor Haroche also holds an honorary doctorate from the Weizmann Institute of Science and the universities of Montreal, Patras, Strathclyde and Bar Ilan.