

Biographies of the 2018 Honorary Doctorates

Professor Cédric Villani, the Fields Medal winner in 2010 and a professor at the Université Claude Bernard (Lyon) 1, received an Honorary Doctor of Science. Born in 1973 in France, Professor Villani studied mathematics at the École Normale Supérieure in Paris and defended his PhD on the mathematical theory of the Boltzmann equation.

His main research interests are in kinetic theory (Boltzmann and Vlasov equations and their variants), and optimal transport and its applications, a field for which he wrote the reference books *Topics in Optimal Transportation* in 2003 and *Optimal Transport, Old and New* in 2008.

Professor Villani has received many national and international prizes for his research, in particular the Fields Medal in 2010 for his proofs of nonlinear Landau damping and convergence to equilibrium for the Boltzmann equation.

He is a Member of the French Academy of Sciences and the Pontifical Academy of Sciences, and was bestowed the Knight of the National Order of Merit and Knight of the Legion of Honour in 2009 and 2011, respectively. The latter is the highest French national honour for military and civil merits.

Professor Villani was the Director of the Institut Henri Poincaré from 2009 to 2017 and was elected to the National Assembly, the lower house of the French Parliament, during the 2017 legislative election.