

Summary of vitae

Summary of vitae written by the University

François Lalonde, Professor at the Department of Mathematics and Statistics of Université de Montréal holds the Canada Research Chair in Symplectic Topology and Geometry. A mathematician, physicist and logician (complexity of algorithms) by training, François Lalonde did a Doctorat d'Etat (1985) at Paris-Sud (Orsay Center), in differential topology. His fundamental works in Symplectic topology, in collaboration with Dusa McDuff, were presented in her plenary address at the International Congress of Mathematicians (ICM) in 1998. He was a Killam Research Fellowship recipient in 2000-2002, the 2005 Stanford Distinguished Lecturer and the 2005 Floer Memorial Lecturer at Berkeley. He was an invited speaker at the ICM 2006 where he presented his joint work with O. Cornea on their theory of clusters that aims to solve one of the main problems of relative Floer homology (or relative String Theory). He holds the 2015 Jean-Morlet Chair in France awarded by the Centre National de la Recherche Scientifique. He has been member of the editorial boards of several journals and lecture series worldwide. He has supervised 66 students and postdoctoral fellows up to now (2016). He was fellow of the royal Society of Canada since 1997 (declined January 2015).

He founded or co-founded three scientific institutes and one journal. In 1991, he co-founded the Institut des Sciences Mathématiques (ISM), a consortium of six Québec universities (Montréal, McGill, UQAM, Concordia, Laval and Sherbrooke) that was the first unified doctoral and postdoctoral school in the world, with 250 professors. He directed this institute from 1996 to 2000, putting in place measures furthering the place of Montréal, and Québec as a whole, as a North American centre of excellence in mathematical research and training. At the beginning of the 2000's, he was for six years director of the Centre de Recherches Mathématiques (CRM), the premier scientific institute in Canada founded in 1968. François Lalonde was also the founder and director of the Centre Interuniversitaire de Recherche en Géométrie différentielle et en Topologie (CIRGET) that gathers the geometers and topologists from Montréal, McGill, Sherbrooke and UQAM universities. He co-founded the Institut Transdisciplinaire en Informatique Quantique (INTRIQ) in 2008, and co-founded in 2013 the *Annales Mathématiques du Québec*, published by Springer, for which he set up the first international editorial committee. He has been the scientific co-organizer of large mathematical events worldwide especially at Stanford, at the Institute for Advanced Study, in Canada and in France.