

Poincaré conjecture: the history of a millennium problem

In this talk, we will revisit the history and understand some ideas regarding one of the most relevant topologic/geometric conjectures from the last century: the Poincaré conjecture. Proposed by the French mathematician Henri Poincaré at the beginning of the twentieth century, and proved by the Russian Grigori Perelman in 2002/2003 (who rejected the Fields medal), this problem challenged generations of mathematicians and, up to this day, is the only Millennium problem to be solved.