

**220 Anniversary of W.R. Hamilton and 20th Anniversary of the Hamilton Mathematics  
Institute TCD Conference**

**Friday, 14 March, 10 am-11 am**

**Erik Verlinde (University of Amsterdam, Netherlands)**

**Title: Strings, Black Holes and Entropy**

**Abstract:**

Over the past few decades insights from string theory and black hole physics have led to spectacular advances in our understanding of the quantum mechanics of spacetime and gravity.

In this presentation I will review these developments from a personal perspective and discuss the central role of the notion of entropy and of Hamilton's scientific work.