

PUBLIC LECTURE

**On triangles, gases,
prices and men****Prof. Cédric Villani****Fields Medallist**

Université de Lyon and Director, Institut Henri Poincaré

Friday Aug. 19, 2016, 5:00 p.m.**Homi Bhabha Auditorium, TIFR**

This is the story of the encounter of three a priori unrelated fields: non-Euclidean geometry and the study of curvature; the theory of gases and the famous notion of entropy; and mathematical economics with optimization. The encounter of these three fields occurred about 15 years ago, with remarkable consequences in geometry, among others. Besides the opportunity to evoke a subject of contemporary research in its various facets, it will be an occasion to tell about the way research goes.

Cédric Villani is an eminent mathematician who has received many awards, most notably the Fields medal, the highest honour a mathematician can receive. Professor Villani is a passionate global ambassador for mathematics. He is a distinguished public speaker and has spoken extensively across the world including at the high profile TED conference.

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