

INSTITUTE COLLOQUIUM

Modern Mathematics for Modern People



Prof. Olivier Ramaré
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Time: 4:00 pm, 26th October, 2018

Venue: Auditorium, IISER-BPR

Abstract: This talk will develop three axes: first, we will show that prime number theory and more generally multiplicative number theory has seen recently outstanding developments established by young mathematicians. Second, we will show that, contrarily to what can be heard too often, proofs are absolutely required and can never be replaced by convincing arguments. Finally, we will show rapidly that essential problems are not out of beginners understanding by giving the steps of a modern proof of the Brun-Titchmarsh inequality, any improvement of which would have awesome consequences.

About the speaker: Prof. Olivier Ramaré is a very well known number theorist. His expertise includes 'Sieve methods', 'Prime numbers and prime related functions' among many others. His works on Goldbach conjecture are at the forefront. Prof. Ramaré travels extensively and visits Indian institutes like IMSc, TIFR, HRI, ISI regularly. Prof. Ramaré has played a key role in enhancing Indo-French Mathematics collaboration and has helped many number theorists in the country to excel. Prof. Ramaré is also a regular hiker and trekker.