SFB Colloquium Series

It is a pleasure to announce a guest lecture with the title

Prime Numbers: Emergence and relevance of bilinear form decomposition

SPEAKER: **Prof. Olivier Ramaré**, University of Lille-France
TIME: Wednesday, 11th March 2015, 1:45 PM
LOCATION: Science Park 1, MT 327, University Linz

Abstract: This talk will present the main historical steps in the building of modern prime number theory and in particular, how the combinatorial sieve approach combined with the Dirichlet series analytical approach to give birth to the representation of prime numbers via linear combination of convolution products, some being said to be "linear" and some being said to be "bilinear". This will lead us to the recent developments of Green & Tao, Mauduit & Rivat, Tao and Helfgott, and Bourgain, Sarnak & Ziegler.