



Research Workshop of the Israel Science Foundation

on

Classifying spaces and \mathbb{A}^1 -homotopy theory

Monday-Wednesday, May 12-14, 2014

Caesarea Maritime Center
Israel

Main speaker:

Professor Fabien Morel

(Ludwig-Maximilians University, Munich)

The workshop will center on the connections between \mathbb{A}^1 -homotopy theory and Algebraic K -theory, leading up to the Friedlander-Milnor conjecture. It should be accessible to graduate students. Topics to be covered will include:

- (a) An introduction to \mathbb{A}^1 -homotopy theory;
- (b) \mathbb{A}^1 -homotopy sheaves : general properties and computations ;
- (c) Algebraic K -theory and \mathbb{A}^1 -homotopy theory;
- (d) \mathbb{A}^1 -homotopy theory, Algebraic vector bundles and BGL_n ;
- (e) Classifying spaces of affine algebraic groups in \mathbb{A}^1 -homotopy ;
- (f) \mathbb{A}^1 -homotopy sheaves, rigidity property and the Friedlander-Milnor conjecture.

Background talks will be given by other participants of the workshop.

For further information and to register for the workshop, contact:

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