

## Colloquium

Il giorno Martedì 9 Ottobre 2018, alle ore 15.00, in Aula Buzano, il Professor

**Jan Draisma**

della Universität Bern e TU Eindhoven

terrà la conferenza dal titolo:

*Stabilisation in algebra, geometry, and applications*

*Abstract.* In several branches of pure and applied mathematics one encounters sequences  $(X_i)_{i \in I}$  of algebraic structures such as algebraic varieties, ideals, rings, or modules. These structures are related by morphisms  $X_i \rightarrow X_j$ , and the fundamental question is whether for  $i \gg 0$ ,  $X_i$  can be completely characterised, via these morphisms, by the  $X_j$  for a finite number of small  $j$ 's. This phenomenon is the stabilisation of the title.

I will discuss examples of stabilisation arising from statistics, algebraic topology, algebraic geometry, commutative algebra, and combinatorics, and discuss some of the recently developed general theory.

Alla conferenza seguirà un coffee break.

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