

## **SEMINARIO DI GEOMETRIA**

12 Marzo 2014, h.16.00-17.00

Politecnico di Torino,  
Dipartimento di Scienze Matematiche,  
**AULA BUZANO**

**Raf Bocklandt**

(Universiteit van Amsterdam))

**Del Pezzo Surfaces, Calabi Yau Algebras  
and Mirror Symmetry**

We will show how mirror symmetry gives rise to a strange duality that arises in the study of weak toric Del Pezzo surfaces and we will explain how this relates to Calabi Yau algebras and noncommutative geometry.

This duality generalizes results by Hille and Perling on the classification of exceptional collections on these surface.