

## **SEMINARIO DI GEOMETRIA**

3 Ottobre 2013, h.16.00-17.00

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

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**DG quivers of rational surfaces**

I will start with recalling some fact about geometry and derived categories of smooth rational surfaces. Then I will define DG quivers of exceptional collections and present an algorithm allowing to calculate them for surfaces. I will also show on examples how the techniques of DG categories allow us to learn about the geometry of surfaces from their derived categories.