

## **SEMINARIO DI GEOMETRIA**

14 febbraio 2018, h.14.30-15.30

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

**Alessandro Savo**

(Universita' di Roma la Sapienza)

**On the geometric rigidity of some variational problems**

We consider the variational problems associated to the following functionals: torsional rigidity, lowest Dirichlet eigenvalue, heat trace, heat content. We study the critical domains for such functionals and discuss their geometric properties.