



UNIVERSITÀ DI PARMA

DIPARTIMENTO DI SCIENZE MATEMATICHE, FISICHE E INFORMATICHE

<http://smfi.unipr.it>

Notizie

SEMINARIO di Analisi Matematica

Data: **lunedì 10 dicembre**, ore **15:00**

Luogo: **aula D**, Plesso di Matematica

Relatore: Dr. **Yeonghun Youn**

Ph.D. candidate in Seoul National University, Korea

Titolo: **Gradient potential theory for nonlinear elliptic problems**

Tutti gli interessati sono invitati a partecipare,
Proff. Alessandra Lunardi e
Giampiero Palatucci

Abstract: In this thesis, we consider pointwise gradient estimates for elliptic systems without quasi-diagonal structures and measure data problems with non-standard growths, via linear potentials which have embedding properties deriving several regularity results for elliptic equations. In the gradient potential theory, we need to apply linearization techniques, since we want to obtain linear potential estimates for nonlinear equations. We further discuss recent linearization techniques along with exit time argument.

