



UNIVERSIDADE FEDERAL DE CAMPINA GRANDE  
PROGRAMA DE PÓS-GRADUAÇÃO EM MATEMÁTICA  
PPGMAT/CCT/UFCG



## CONFERÊNCIA

# Nehari method for locally Lipschitz functionals with examples in problems in the space of bounded variation functions

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**Abstract:** In this work we prove some abstract results about the existence of a minimizer for locally Lipschitz functionals, without any assumption of homogeneity, over a set which has its definition inspired in the Nehari manifold. As applications we present a result of existence of ground state bounded variation solutions of problems involving the 1-Laplacian and the mean-curvature operator, where the nonlinearity satisfy mild assumptions.

**Horário: Dia 15/04/2016, às 10:00 h**

**Local: Auditório da UAMAT (Bloco CX - Térreo)**

**APOIO: PPGMat-UFCG/CAPES**