

# First Joint Meeting Brazil Italy of Mathematics

## Special Session: Elliptic PDEs

Rio de Janeiro, August 29 - September 02, 2016

**Title:** Thresholds of solvability for the  $p$ -Laplace equation with first order terms

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**Abstract:** We will deal with the  $p$ -Laplace equation with first order terms having super linear growth, possibly below or above the threshold often called natural growth. Several issues will be discussed which are linked one another, such as gradient estimates, boundary barriers and maximal solutions, as well as the role played by so-called nonlinear additive eigenvalues for the existence of solutions to the Dirichlet problem.