



**UCD School of
Mathematics and Statistics**

University College Dublin
Belfield, Dublin 4, Ireland

Tel +353 1 716 2580
Fax +353 1 716 1196

**Scoil na
Matamaitice agus na Staitisticí UCD**

An Coláiste Ollscoile, Baile Átha Cliath
Belfield, Baile Átha Cliath 4, Éire

Email seminars@maths.ucd.ie
Web maths.ucd.ie/seminars

Analysis Seminar

J. Giacomoni (Pau, France)

will speak on

Diaz Saa Inequality for $p(x)$ -laplacian and applications

Tue 6th March 2018 at 3:00PM

Location: SCN 125

In this talk, I will present arecent work with P. Takac. It concerns a new extension of thewell-known inequality by Diaz-Saa which in our case, involves an anisotropic operator, such as $p(x)$ -Laplacian. Our present extension of this inequality enables us to establish several new results on the uniqueness of solutions, comparison principles and stabilization for some anisotropic quasilinear elliptic and parabolic equations.

This talk is part of the **Analysis** series. For more, see
<https://maths.ucd.ie/seminars>