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## Analysis Seminar

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### A. Procházka (UFC, Besanc con)

will speak on

### On existence of maps with distortion strictly less than 2

Tue 11th November 2014 at 3:00PM

Location:

We will see an example of a metric space  $M$  with the following property: If  $M$  embeds into a Banach space bi-Lipschitz with distortion strictly less than 2 then  $X$  linearly contains  $\ell_1$ . A refinement of the construction of  $M$  allows for a proof of the following theorem:  $C([0, \omega^\alpha])$  does not embed bi-Lipschitz with distortion strictly less than 2 into  $C([0, \omega^{\eta}])$  if  $\eta < \alpha$ . Joint work with Luis Sanchez-Gonzalez.

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