

**Rubén MEDINA, University of Granada and Czech Technical
University in Prague**

“Schauder basis in Lipschitz free spaces over nets of Banach spaces”

In this talk we will overview three results showing the existence of Schauder basis for nets of certain separable Banach spaces. This problem is closely related to a question raised by Kalton, namely, whether every separable Banach space is uniformly approximable, which turns out to be equivalent to the Lipschitz free space over its net enjoying the bounded approximation property. More specifically, we prove that every net of a finite dimensional space, a space with a basis containing c_0 or a separable \mathcal{L}_∞ -space has a Lipschitz retractional structure which provides its Lipschitz free space with a basis.
