# New Trends in Onedimensional Dynamics
# Celebrating the $70^{th}$ anniversary of Welington de Melo

Rio de Janeiro, November 14 - 18, 2016

**Title:**   Hedgehogs in higher dimensions and their applications

**Authors:**   Misha Lyubich, Remus Radu, Raluca Tanase

**Abstract:**   Hedgehogs in dimension one were introduced by Pérez-Marco in the '90s and proved to be an important tool for studying the dynamics of non-linearizable analytic germs. In this talk we discuss hedgehogs in dimension two for neutral dissipative holomorphic germs of $(\mathbb{C}^2, 0)$.