

**Speaker:** Torres, D.

**Affiliation:** Universidade de Aveiro, Portugal

**Title:** Recent results on the calculus of variations on time scales

**Abstract**

The theory of time scales is a relatively new area of Mathematics with applications in Economy. It was initiated by Stefan Hilger in the nineties of the XX century as a tool to unify and generalize differential and difference equations. The new calculus on time scales is now subject of strong current research in many different fields in which dynamic processes can be described with continuous or discrete models. In this talk we will present some new necessary optimality conditions for the calculus of variations on time scales.