## Orbital stability of traveling waves for dispersive models

## **Ademir Pastor**

IMECC-UNICAMP, Rua Sérgio Buarque de Holanda, 651, Campinas, SP, Brazil.

In this talk, We recall and discuss sufficient conditions for the orbital stability of periodic and solitary waves solutions for nonlinear dispersive models. The general strategy to obtain the stability consists in proving that the wave in question minimizes a conserved functional restricted to a certain manifold. We use these ideas to obtain the orbital stability of solitary and periodic waves for several model, with particular attention turned to KdV-type equations.