



## INVITATION

to the talk of

**Diego de Souza**

(Federal University of Pernambuco)

**Title:** Controllability for some equations of Sobolev-Galpern's type

**Time:** Wednesday, 18th of January, 2017, 11:00

**Place:** SR 11.34, Heinrichstraße 36, 3<sup>rd</sup> floor, 8010 Graz

Institute of Mathematics and Scientific Computing

### **Abstract:**

In this talk, we present exact null controllability results for some equations of Sobolev-Galpern's type (the highest order terms contain derivatives in both space and time coordinates). In general, this type of equations are not null controllable whether the control region is confined in the domain. Moreover, by allowing the controls to have a moving support, we show that it is possible to obtain null controllability results for such kind of equations at any positive time.

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