

Seminário CIMA-DMAT (Universidade de Évora)

04 de Novembro de 2004, quinta-feira

CLV – Anf1 – 11h30m

**“Magnetic Attitude Control Systems for Small
Satellites
(Development, Building and Operation)”**

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A number of small satellites which are equipped with passive or active magnetic attitude control systems (ACS) are presented. First, small satellites are defined and classification is introduced. Motivation and reasons to use magnetic ACS are presented. Next, the small satellite projects which the author was involved in are shown in order to demonstrate the specific problems appeared from development, simulation and building phases. Mathematical interpretations of effects obtained are discussed.