Introduction

• Pattern Recognition and Human Language Technology (PRHLT) group

• Universitat Politècnica de València (UPV) PASCAL2 node

• Two projects on interactive PRHLT for audiovisual content:
  
  – i3media (2007-2010)
    
    * 35 MEur CENIT-Ingenio 2010 technology project
    
    * Main goal: creation and management of intelligent audiovisual content, to facilitate content personalisation and user interaction
  
  – erudito.com (2010-2012)
    
    * 1.4 MEur Avanza I+D project
    
    * Main goal: encapsulation, distribution and intelligent use of digital content such as that showed on thematic TV channels
Interactive PRHLT for Audiovisual Content
A. Lagarda, J. Civera, A. Juan, and F. Casacuberta
DSIC/ITI - Universitat Politècnica de València, Spain

i3media
- Different genre-specific linguistic tasks; e.g. Machine Translation (MT)
- PRHLT: MT for audiovisual content production and personalisation
- MT tasks: models, linguistic info, interactive MT, prototype...
Two main scientific and technical goals:

- To develop a closed captioning (CC) system.
- To develop a machine translation (MT) system for closed captions.

CC behaviour depends on whether captions are provided or not:

**Yes:** The audio signal is automatically aligned with captions.

**No:** The CC system interactively assists the user in producing captions.