

## **CoWet/COST MP1106 Joint Training School**

### ***FLOWS, STABILITY AND MARANGONI EFFECTS***

**31<sup>st</sup> August – 4<sup>th</sup> September 2015. Instituto Pluridisciplinar,  
Complutense University -Madrid**

Following the first Winter School of the Complex Wetting (CoWet) Initial Training Network (ITN) organized by Prof. Victor M. Starov at the Chemical Engineering Department, Loughborough University (U.K.), the first Summer School will take place at the Instituto Pluridisciplinar of Complutense University, Madrid (Spain). In the previous school each node of the ITN made a presentation of the research activities to be carried out within the overall project, so that each Ph.D. or Postdoc student was aware of the possibilities of collaborations and secondments. This school will focus on a narrower field so that the fellows of the ITN will learn from the basics to the applications of that field. In the Summer School the following subject has been chosen: “*Flows, Stability and Marangoni effects in fluids*” because it is on the basis of the ITN main interests: Wetting, spreading, evaporation of fluids.

The lectures will include lectures describing basic aspects of flows, instabilities, Marangoni effects, and contact angle hysteresis. These concepts will be used for describing real systems such as the spreading and wetting on complex substrates, the behavior of drops under high frequency perturbations, the behavior of capillary waves and interfacial rheology. This is a highly interdisciplinary field with a strong interaction between Physics, Chemistry, Applied Mathematics and Chemical Engineering.

The school has no registration fees.