



COST Actions MP1106 and CM1101
Joint Training School
**Particles at Liquid Interfaces:
Fundamentals and Applications**
April, 2nd – 5th 2014
Oratorio di Sant'Erasmus, Bonassola (Italy)



TOPICS and OBJECTIVES

The interaction of micro-nanoparticles with liquid interfaces has been investigated for long time in relation to specific niche applications, such as, for example, floatation.

The topics received a renewed attention during the last decade, after the large availability of new and specifically tailored nanomaterial, with implications and applications in many scientific and technological fields.

In fact, depending on their wettability, micro-nanoparticles are able to segregate at the liquid interfaces, modifying their mechanical and chemico-physical properties. Thus, at large, micro-nanoparticles can be seen as a new class of surface-active species, similar in some aspects to classical surfactants, but showing peculiar features in respect to their capability to modify the basic interfacial properties.

The Training School is offered to motivated PhD Students and young researchers with the aim of providing an overview of the present state-of-the-art in such important and growing topics.

Tutorial lectures will be given by leading specialists in the concerned fields, deepening in particular the physico-chemical and fundamental aspects, presenting specific experimental methodologies and examples of applications in fields, such as emulsions, foams, biological interfaces, new materials and chemical processes.

Special poster-workshop sessions are also arranged, offering the participants the possibility to present and discuss their own work in a qualified scientific environment.

VENUE

The school is hosted at Oratorio di Sant'Erasmus in Bonassola: a small village of the beautiful East Liguria coast.

Bonassola is located midway between the Pisa and Genova airports and conveniently served by the local trains on the track between Genova and La Spezia.

PROGRAMME

The School activities are scheduled from the late afternoon of Wednesday April 2nd to the morning of Saturday 5th.

ACCOMMODATION

Special hotel packages (double occupancy) , compatible with the COST grants, are being arranged.

PARTICIPATION GRANTS

The School is open to max 25 PhD students and young researchers from the laboratories member of the COST Actions MP1106 and CM1101.

A comparable number of COST grants (max 600 €) are available. To apply for the participation and the grant, please download the application form from the School website and send the filled form to: ts2014cost@ge.ieni.cnr.it **before DECEMBER 13th, 2013.**

Priority in the awarding will be given to Early Stage Researchers (ESR), ensuring also proper gender and geographical balance. **Please notice that applications received after the above date will not be considered.**

Website: <http://www.ge.ieni.cnr.it/MP1106/Home.html>