



WOG Surface Modification
FWO-Flanders

IRSES Training Course on Biotribocorrosion

February 11 - 15, 2013 at Ecole Centrale Paris

This course will provide a training on the basics of bio-tribocorrosion (friction, wear, lubrication, coupling of chemical, electrochemical, mechanical and biological effects) with a special emphasis on bio-tribocorrosion in food industry and engineering systems. It is open to master students, Ph.D. researchers and post-docs as well as researchers and engineers from industry. Its inter-disciplinary approach will provide trainees an insight on possible implications of corrosion, tribology, and bio-tribocorrosion in their own research field or industrial surrounding. Impact and protective actions against the degradation of materials subjected to different users' conditions will be addressed.

The course consists of modules on Environmental Aspects (3 lessons), Mechanical Aspects (4 lessons), Characterization Aspects (3 lessons), Protective Actions (3 lessons), and Sustainable Growth (1 lesson). 15 lecturers from 10 countries are sharing their large background and research expertise in complementary fields with the participants from academic institutions and industries.

This course is taught in the context of the Erasmus programs. Master students can acquire a certificate equivalent to 3 ECTS within the "Erasmus Learning Agreement" between their university and Ecole Centrale Paris.

The Training School will be held at Ecole Centrale Paris (ECP) south of Paris (<http://www.ecp.fr/lang/en/homepage>), and can be reached from Orly airport by direct Orlyval train and from Roissy airport by direct RER to Antony. Lodging is possible at ECP Campus "Maison des Etudiants de l'Ecole Centrale". Sport activities are possible at ECP campus and in the Parc de Sceaux (<http://parc.de.sceaux.free.fr/>).

For detailed information on the course content, course flyer and registration form, please contact the organizers:

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