

International Research Staff Exchange Scheme (IRSES)



IRSES TRAINING COURSE ON BIO-TRIBOCORROSION

Field of application: Food quality and safety

(Châtenay-Malabry, le 4 février 2013) 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. 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 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. 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.

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