EUSMAT opens a new call for Erasmus Mundus Fellowships for the DocMASE Doctoral Programme

The Joint European Doctoral Programme in Advanced Materials Science and Engineering (DocMASE) is a great way for motivated young scientists to further their academic curriculum while simultaneously promoting personal growth through cultural exchange. The application for the 2014 intake is now open. Candidates can apply for the following research projects:

1. Failure of laminated structures due to interlayer delaminations
2. Characterization and design of oxide layers on copper alloys for antimicrobial purposes
3. High temperature mechanical properties of magnetron sputtered thin ceramic films
4. Rare earth-doped Gold/aluminum nitride nanocomposite films for optical applications
5. Investigations on wear mechanisms for formation of comb cracks in coated tools
6. Microstructure investigation and property development of Advanced High Strength Steels
7. Effect of the processing parameters on the precipitation of Ni-based superalloys

DocMASE is aimed at candidates with a Master’s (or equivalent) degree in Materials Science and Engineering, or other related subjects such as Physics or Chemistry, and is a joint venture between Saarland University (Germany), Luleå University of Technology (Sweden), Linköping University (Sweden), the National Polytechnic Institute of Lorraine (France) and the Technical University of Catalonia (Spain).

During this three to four year programme, doctoral students will carry out a research project involving two of the above-mentioned partner universities and spending time at both institutions. Successful completion of the programme results in a double or joint doctoral degree, depending on the universities.

The Erasmus Mundus fellowships cover funding for three years with a monthly net salary of approximately 1.500 € (the final amount depending on the social security contributions in each country), as well as the costs of participating in joint activities of the programme (summer schools, workshops, conferences, etc.) and the expenses for setting up accommodation in Europe.

Applications to start the DocMASE programme in September 2014 must be received by January 15, 2014. Sufficient English knowledge is required.

For more information, please visit our website www.docmase.net, or contact us at application@docmase.net.