

**DocMASE**  
**Joint European Doctoral Programme in Advanced Materials Science and Engineering**

**Duration:** 48 months

**Programme description:**

DocMASE - Joint European Doctoral Programme in Advanced Materials Science and Engineering

- Full-time programme offered by: Universität des Saarlandes (Saarbrücken - Germany); Institut National Polytechnique de Lorraine (Nancy - France), Universitat Politècnica de Catalunya (Barcelona - Spain), Luleå tekniska universitet (Luleå - Sweden) and Linköpings universitet (Linköping - Sweden).

- Vast experience of the consortium following 19 years of collaboration within the EEIGM - Ecole Européenne d'Ingénieurs en Génie des Matériaux - and 5 years within AMASE - Joint European Master Programme in Advanced Materials Science and Engineering.

- Elements of the programme:

- research work (cooperation of at least two universities of the consortium), thesis with co-tutelle,
- scientific courses: 15 ECTS,
- intercultural skills including language training: 10 ECTS,
- complementary skills: 5 ECTS,
- summer schools

- mobility: training in at least two universities of the consortium (min 6 months at 2nd university); additional mobility to a research institution outside Europe (academic track) or to an industrial partner (industrial track).

- Research activities in forefront thematic fields of materials science and engineering; from basic to applied research in cooperation with industry; academic or industrial track.

- Objectives: to create a stimulating research training environment and provide a multicultural experience, to enhance the innovation potential and improve career perspectives of young doctoral candidates, to enhance networking activities within the EU and with third countries, to increase the attractiveness and visibility of European education.

- Entry requirements: degree on Master level or in Engineering in the area of MSE, or a Master in Chemistry or Physics with a background in materials. Sufficient English knowledge.

- Doctoral candidates obtain a joint or double Doctoral degree awarded by the two universities they have attended and a Joint European Excellence Certificate.

- Network of associated partners in Europe, USA, Canada, Australia and Japan for research collaboration: 5 private research centers, 6 public research centers, 2 industrial partners, 7 universities.

- Worldwide network of partners: Argentina, China, Colombia, India, Mexico, South Korea, and South Africa, among others which collaborate in disseminating the programme, selecting candidates, helping candidates with mobility arrangements.

- Central Management Office: Coordinator and European School of Materials (EUSMAT in Saarbrücken); Supervisory board: Steering Committee; Advisory Board (participation of industry).

- Alumni Association.

**Website:**

**Partners:**

UNIVERSITY OF SAARLAND, Germany (Co-ordinating Institution)

TECHNICAL UNIVERSITY OF CATALONIA, Spain

NATIONAL POLYTECHNIC INSTITUTE OF LORRAINE, France

LINKÖPING UNIVERSITY, Sweden

LULEÅ UNIVERSITY OF TECHNOLOGY, Sweden

**Contact:**

Prof. Dr.-Ing. Frank Mücklich

Materials Science and Engineering

Campus, D3.3

66123 Saarbrücken, Deutschland

muecke@matsci.uni-sb.de