

---

**David Delafosse**  
44 years old, French nationality

---

**PROFESSIONAL INFORMATION**

**Professor** at Ecole Nationale Supérieure des Mines de Saint-Etienne

Head of the joint ARMINES/Ecole des Mines Science of Materials and Structures (SMS) research center

E-mail: david.delafosse@emse.fr

**EDUCATION**

**2001:** HDR Diploma for the supervision of research and PhD thesis, INP Grenoble

**1995:** PhD Thesis in Mechanics of Materials at Ecole Centrale Paris

**1992:** MSc in Mechanical Engineering with emphasis on Materials Science, University of Strathclyde, Glasgow, UK

**1991** Ingénieur Civil des Mines, Nancy.

**CURRENT RESEARCH ACTIVITIES**

Having conducted a research on the environmental degradation of structural materials from 1995, and achieved an international visibility on the subject, I set-up and started in 2009 a new research and teaching project at Ecole des Mines on Industrial Design and Materials for the Creative Industries. The scientific core of this project is on the functionalisation of surfaces and perception engineering of materials. Most of my recent publications and conferences are still related to my primary subject. My first publications on perception engineering of materials are currently in press or being reviewed, and first communications in International Conferences are scheduled for 2012.

**Publications, Patents, Softwares (Period 2005-2011)**

- ⇒ 7 papers in international journals
- ⇒ 11 proceedings in international conferences
- ⇒ 1 book chapter

- ⇒ 4 invited conferences, including one Gordon Research Conference on H-metal systems.

**NATIONAL AND INTERNATIONAL ACTIVITIES**

2007 – Co-organiser of the CNRS Summer School “Plastox 2007” on Plasticity, Oxydation and Environmental Degradation of Materials

2008 and 2012 – International Scientific Committee of the 6<sup>th</sup> and 7<sup>th</sup> International Hydrogen Conferences, Jackson Hole, WY

2010 – Deputy head of the joint CNRS / Ecole des Mines de Saint-Etienne laboratory « Laboratoire Claude Goux »

2011 – Head of the joint ARMINES / Ecole des Mines “Science of Materials and Structures” research and training center

2012 – Member of the scientific committee of the Manutech-SISE Excellence Laboratory, animator of the “White Light Processing and Perception Engineering” research axis.

**ACCEPTED RECENT PUBLICATIONS RELATED TO THE PROJECT**

T. Puntous, S. Pavan, D. Delafosse, M. Jourlin, J. Rech, Manufacturing calibrated visible and invisible scratches on polished surfaces, Precision Engineering, 2012, in press.

J. Faucheu, D. Delafosse, J. Boulton, Multidiscipline team for intelligent innovation: educating and training International Journal of Design Engineering, Special Issue on: "Designing Pleasurable and Intelligent Products: Applications and Methods", 2012, in press.