



YANN GAVET

From France to Sweden



Project: **Modelling of worn, manufactured and biological tissue surfaces**

Research topic: **Mathematics**

Swedish Institution: **Chalmers University of Technology**

French Institution: **École Nationale Supérieure des Mines de Saint-Étienne (EMSE)**

Dates of mobility: **08/10/2017 to 13/10/2017**

Program: **SFVE-A (ex-TOR)**



PRESENTATION

[Yann Gavet](#) is Associate Professor at École Nationale Supérieure des Mines de Saint-Étienne ([EMSE](#)) at the [Laboratory Georges Friedel](#) (LGF, UMR CNRS 5307) for Image and Pattern Analysis and Modelling under the Institute for Engineering and Systems Sciences ([INSIS](#)). There, he conducts morphological characterization and modelling. The scientific themes of the lab focus on the analysis and modelling of images and patterns with nonlinear, multiscale and adaptive approaches. In 2008, he obtained his PhD in Image Analysis and Processing from EMSE.

ACTIVITIES IN SWEDEN

Yann Gavet spent his mobility visiting the [Department of Mathematical Sciences](#) of [Chalmers University of Technology](#) in Göteborg. He met with Professor and Head of Unit in [Applied Mathematics and Statistics Annika Lang](#), with whom a scientific cooperation was conceived. They discussed methods for simulating random fields, possible combinations of stationary random fields to generate non-stationary ones, and regularity (differentiability) of subsets of random fields and their geometry.

Gavet held a seminar entitled “Models of surfaces. Application of Random Fields”. Furthermore, he discussed the possibility of establishing an Erasmus+ exchange program with [Prof. Peter Hegarty](#), although some obstacles of incompatibility render this difficult (such as linguistic and resource-related barriers).