



 **Johan DEBAYLE**

From France to Finland 

Project: **Adaptive Image Processing, Pattern Analysis and Stochastic Geometry**

Research topic: **Mathematics**

Finnish Institution : **Computational Imaging group at the Tampere University**

French Institution: **Ecole Nationale Supérieure des Mines, Saint-Etienne**

Dates of mobility: **01/08/2022 to 05/08/2022**

Program: **Maupertuis Program (Short Mobility)**



PRESENTATION

[Johan Debayle](#) received his M.Sc., Ph.D. and Habilitation degrees in the field of image processing and analysis, in 2002, 2005 and 2012 respectively. Currently, he is a Full Professor at the [Ecole Nationale Supérieure des Mines de Saint-Etienne](#) (ENSM-SE) in France, within the SPIN Center and the [LGF Laboratory](#), UMR CNRS 5307, where he leads the PMDM Department interested in image analysis of granular media. His research interests include image processing and analysis, pattern recognition and stochastic geometry. He published more than 120 international papers in international journals and conference proceedings and served as Program committee member in different international conferences (IEEE ICIP, MICCAI, ICIAR...).

ACTIVITIES IN FINLAND

During his stay, Johan Debayle discussed with [Prof. Karen Egiazarian](#), head of the [lab](#), and with [Igor Shevkunov](#) (PhD Senior Researcher), [Sheyda Ghanbaralizadeh Bahnemiri](#) (PhD Student).

He also had the opportunity to introduce the different academic programs of MINES Saint-Etienne in order to discuss potential collaborations on higher education, such as mobility of students, dual degrees, internships... and additional discussions to explore all possible other collaborations, in a multidisciplinary approach (joint PhD cotutelle, visiting professorship, workshop organization...). It was also the occasion to give an invited seminar which focused on image processing and stochastic geometry and which was followed by some questions and discussions about the interest of such a subject for the host lab.

Further discussions have been made possible at the French Institute of Helsinki to exchange about the different possible financial supports between France and Finland through the range of various programs, such as Maupertuis, the France-Finland Magnus Ehrnrooth thesis cotutelle or even Nokia Scholarships.