



EMMANUEL GUILMEAU

From France to Sweden



Project: **Thermoelectric materials**

Research topic: **Engineering**

Swedish Institution: **Stockholm University/KTH**

French Institution: **CNRS/ Caen University**

Dates of mobility: **30/04/2018 to 05/05/2018**

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

PRESENTATION

[Emmanuel Guilmeau](#) is a Researcher at the [CNRS](#) working in the [CRISMAT laboratory](#) ([Caen University/CNRS/ENSICAEN](#)). The main research activities of Emmanuel Guilmeau aim at advancing the knowledge of sulphides with complex crystal structures as efficient thermoelectric materials for the generation of electricity from renewable solar, automotive or industry energy at medium temperatures. He graduated 2003 with a PhD degree at Caen University with a thesis entitled “Texturation and superconducting properties of Bi2223 layered compounds”.

ACTIVITIES IN SWEDEN

Emmanuel Guilmeau is focusing his research on (sulphide-based) thermoelectric materials. The aim of his visit was thus to use the facilities (a glove-box, among others) of [Mirva Eriksson](#)’s group to conduct experiences on these materials (in a low pressure and high pressure atmosphere) at the [Department of Materials and Environmental Chemistry](#) at [Stockholm University](#).

He had moreover the opportunity to give a seminar entitled “Towards high thermoelectric performances in complex sulfide materials”.

Emmanuel Guilmeau met also with other researchers from Stockholm University and [KTH](#) interested in participating in his project, including [Mats Johnsson](#) and [Mohammed Toprak](#).