



MARTIN SAHLBERG

From Sweden to France



Project: **New intermetallic materials synthesis for hydrogen storage**

Research topic: **Chemistry**

Swedish Institution: **Uppsala University**

French Institution: **Institute of Chemistry and Materials Science (ICMPE)**

Dates of mobility: **28/04/2017 to 05/05/2017**

Program: **SFVE-A (ex-FRÖ)**



PRESENTATION

[Martin Sahlberg](#) is a Professor at the [Ångström Laboratory](#), Division of [Inorganic Chemistry](#) under the [Department of Chemistry](#) at [Uppsala University](#). His research focuses on the synthesis and characterization of novel bulk materials for energy storage and conversion mainly within the hydrogen society and for magnetic materials, using diffraction, absorption/desorption and electrochemical methods. He obtained his PhD in Inorganic Chemistry from Uppsala University in 2009 and was appointed docent in 2014.

ACTIVITIES IN FRANCE

Martin Sahlberg spent his mobility in Paris at the [ICMPE](#) where he deliberated with many scientists affiliated with the French National Centre for Scientific research ([CNRS](#)), such as [Dr. Claudia Zlotea](#), [Dr. Jean-Philippe Couzinie](#) and [Dr. Valérie Paul-Boncour](#). Their discussions revolved around hydrogen storage in high entropy alloys and similar compounds, stain and fatigue in high strength alloys, and magnetic materials, especially synthesis on AlFe₂B₂. This is a material that has been studied in Uppsala and that the scientists in Paris are interested in. Dr. Couzinie was invited for a seminar in Uppsala, and future collaborations were planned with both Dr. Couzinie and Dr. Zlotea.

He held a seminar entitled “Structure-property relations in high entropy alloys (and other interesting systems)” in front of appr. 20-30 attendees.