



JÉRÔME DUBAIL

From France to Sweden



Project: **The role of quantum entanglement in low-dimensional systems**

Research topic: **Physics**

Swedish Institution: **Stockholm University / Gothenburg University / Chalmers**

French Institution: **University of Lorraine**

Dates of mobility: **04/10/2014 to 10/10/2014**

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



PRESENTATION

[Jérôme Dubail](#) is a Researcher at the Institute of Physics ([INP](#)) laboratory in Nancy, part of the French National Center for Scientific Research ([CNRS](#)). He obtained his PhD in Theoretical Physics in 2010 from the [CEA Paris-Saclay](#). He is interested in classical statistical mechanics, quantum condensed-matter physics, quantum information theory, and more particularly theoretical and topological phases of condensed matter.

ACTIVITIES IN SWEDEN

Dubail started his mobility by visiting the [Department of Physics](#) at [Stockholm University](#), where he was hosted by [Hans Hansson](#) and [Eddy Ardonne](#). They envisaged a range of future collaborations, having closely related research interests. He also discussed extensively with [Jonas Kjäll](#) and [Mikael Fremling](#) (now at [Utrecht University](#)).

He visited [Nordita](#) (Nordic Institute for Theoretical Physics), where he exchanged views with [Sasha Balatsky](#), [Konstantin Zarembo](#) and [Jonathan Edge](#).

Lastly, he travelled to [Gothenburg University](#) and [Chalmers University of Technology](#), where he deliberated with [Stellan Östlund](#), [Mats Granath](#), [Johan Nilsson](#) and [Matteo Bazzanella](#).