



ANDERS SÖDERGREN

From Sweden to France



Project: **Joint program in mathematics**

Research topic: **Mathematics**

Swedish Institution: **Chalmers University**

French Institution: **Université Paris Sud, Orsay**

Dates of mobility: **03/05/2019 to 10/05/2019**

Program: **SFVE-A (ex FRÖ)**



PRESENTATION

[Anders Södergren](#) is an Associate Professor in the [Department of Mathematical Sciences](#) at [Chalmers University of Technology](#), where he organises a Seminar in Algebraic Geometry and Number Theory. He worked previously at [Örebro University](#), the [University of Copenhagen](#) and the [Institute for Advanced Study](#) in Princeton. He graduated 2010 with a PhD degree in Mathematics at [Uppsala University](#). His research interests include number theory, automorphic forms and homogeneous dynamics. He is particularly interested in analytic number theory, zeros of L-functions, the geometry of numbers and equidistribution problems in homogeneous dynamics.

ACTIVITIES IN FRANCE

Anders Södergren visited the [Université Paris-Sud](#), Orsay and discussed with two researchers, [Daniel Fiorilli](#) from the [CNRS](#) and [Lucile Devin](#) from the [University of Ottawa](#). They had a long-term joint program based on a famous conjecture of special functions of number theoretic interest called L-functions.

During the research visit, they made substantial progress on this project and had already the core parts of a research paper entitled Low-lying zeros in families of holomorphic cusp forms - the weight aspect.