



KATI NIINIMAKI

From France to Sweden



Project: **Medical Imaging**

Research topic: **Medecine & Health**

Swedish Institution: **Chalmers University of Technology/Gothenburg University**

French Institution: **Paris-Sud University/Paris-Saclay**

Dates of mobility: **03/06/2019 to 08/06/2019**

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



PRESENTATION

[Kati Niinimäki](#) is Principal designer at [Planmeca](#) in Helsinki. She was Associate Professor at [Paris-Sud University](#) until 2019. She obtained 2013 her PhD degree with a thesis entitled Computational optimization method for large-scale inverse problems from the [University of Eastern Finland](#) and her research interest includes medical imaging applications and their development.

ACTIVITIES IN SWEDEN

Kati Niinimäki met several researchers at the [Department of Mathematical Sciences from Chalmers University of Technology](#) and [Gothenburg University](#). She had the opportunity to discuss with two Professors of Applied Mathematics, [Larisa Beilina](#) and [Mohammad Asadzadeh](#), and the Associate Professor [Klas Modin](#). Moreover, she interacted with the Professor of Mathematics [Alice Kozakevicius](#) from the [Federal University of Santa Maria](#).

Kati Niinimäki discussed with them research topics related to medical imaging such as X-ray tomography and radiation therapy planning with Professor Kozakevicius or machine and deep learning with Klas Modin. She has continued her collaboration with Larissa Beilina on magnetic resonance imaging and they planned future common projects.

Finally, Kati Niinimäki has participated in a public seminar with Professors, PhD students and researchers about the Parameter choice methods for regularization in sparse tomography.