



 **SÉBASTIEN LEVENEUR**

From France to Finland 

Project: **Valorization of biomass to sustainable chemical products**

Research topic: **Chemistry**

Finnish Institution: **Åbo Akademi University**

French Institution: **INSA Rouen Normandie**

Dates of mobility: **27/09/2021 to 02/10/2021**

Program: **Maupertuis Programme**



## PRESENTATION

After he worked for nine months at [Åbo Akademi University](#) on an industrial project, Sébastien Leveueur started his doctoral thesis in joint degree between Åbo Akademi University and [INSA Rouen](#) on “Catalytic synthesis and decomposition of peroxy-carbolic acids”. In 2009, he got his Ph.D. degree with honors from both institutes and the European label. From 2009 to 2010, he continued as a junior researcher at Åbo Akademi University. He is currently Associate-Professor at INSA Rouen and *Docent in chemical process technology, especially new concepts chemical in reaction engineering, modelling of chemical reactors and safety aspects* at Åbo Akademi University. His research activities focus on developing kinetic models for complex chemical systems, the use of process intensification (microwave and microreactor) and risk analysis. These activities are devoted to biomass valorization.

## ACTIVITIES IN FINLAND

At Åbo Akademi University, Sébastien Leveueur first met [Professor Grénman](#) who showed him the new laboratory of [Industrial Chemistry and Reaction Engineering](#), and its new equipment. He made a scientific presentation related to his research and a lecture on thermal safety in chemical processes in front of students. He met [Xiaoqia LU](#) who is a PhD student in joint-degree between both institutes. Sébastien Leveueur also saw scientific presentations about his research topics. This visit allowed him to strengthen scientific collaboration between Åbo Akademi University and INSA Rouen, including ERASMUS mobilities.