



MARK RUTLAND

From Sweden to France



Project: **Friction and Ionic Liquids**

Research topic: **Chemistry**

Swedish Institution: **KTH**

French Institution: **École Centrale de Lyon**

Dates of mobility: **20/08/2018 to 08/08/2023**

Program: **SFVE-A (ex FRÖ)**



PRESENTATION

[Mark Rutland](#) is Professor at the [Division of Surface and Corrosion Science](#) at [KTH](#), Royal Institute of Technology, and Senior Advisor at [RISE](#), Research Institutes of Sweden. He graduated 1992 with a PhD degree at the Surface physics Institute of Advanced Studies at the Australian National University, [ANU](#). His research interests include Nanotribology, Perception, and Surface self-assembly /spectroscopy.

ACTIVITIES IN FRANCE

Mark Rutland had the opportunity to visit several organisations and to meet with many researchers during his mobility in France.

The main reason of his trip was to visit l'École Centrale de Lyon to conduct a series of experiments in their laboratories. He met there, among others, with [Juliette Cayer Barrioz](#) and he participated moreover in a course entitled "Nanotechnology and biological interfaces".

He visited the [ENS](#) in Lyon where he met, among others, with Professor [Agilio Padua](#) with whom he had fruitful discussions on potential collaboration on Ionics Liquids and related data, and he met with Bertrand Nicolet from [Manutech](#) and mentioned the possibility of a joint project on 3D printing.

Mark Rutland also went to [l'Oréal](#) where he exchanged with [Anna Öst](#) and talked about a joint degree funded by l'Oréal and performed at KTH with l'École Centrale de Lyon.

Mark Rutland visited in plus in Grenoble the [Laue Lanvin Institute](#) (ILL) where he discussed with [Alexei Vorobiev](#) a PhD jointly financed by ILL and KTH. He had moreover the opportunity to give a presentation entitled "Probing the electro-responsive structuring of non-halogenated ionic liquids".

Finally, Mark Rutland met Researchers from other French Universities, including with [Milad Radiom](#) from [Paris-Diderot University](#) and discussed a joint publication on high temperature measurement using AFM.