RÉPUBLIQUE FRANÇAISE
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INSTITUT FRANÇAIS

LARS ÖHRSTRÖM

From Sweden to France

Project: **Synthesis and characterization of Metal-Organic Frameworks**

Research topic: **Chemistry**

Swedish Institution: **Chalmers University of Technology**

French Institution: **Chimie ParisTech / Uni Grenoble Alpes / Uni Lyon I**

Dates of mobility: **05/11/2016** to **11/11/2016**

Program: **SFVE-A (ex-FRÖ)**

PRESENTATION

Lars Öhrström is Professor at the Department of Chemistry and Chemical Engineering at Chalmers University of Technology. Professor Öhrström's main focus is the synthesis and understanding of Metal-Organic Frameworks, new materials with importance for "green" and sustainable chemical engineering and potential applications in catalysis and gas storage. He is engaged in the International Union of Pure and Applied Chemistry (IUPAC) since 2007. He has published two popular science books "The Last Alchemist in Paris" and " The Rhubarb Connection". He obtained his PhD in Inorganic Chemistry from KTH Royal Institute of Technology in 1988 and his full professorship in 2011.

ACTIVITIES IN FRANCE

Lars Öhrström's mobility to France started at Chimie ParisTech, where he met with Prof. Philippe Barboux, Dr. François-Xavier Coudert, Dr. Jack Evans and Romain Gaillac. He also held a seminar on chemical history and IUPAC and visited the science, engineering and design sections at the Musée Art et Métiers. Nine MSc students from Chimie ParisTech applied for internships at Chalmers for the following year, collaborations in nuclear chemistry and engineering were discussed, and Dr. Coudert and Dr. Evans joined two smaller projects.

Subsequently, he travelled to Grenoble, where he discussed and advanced on his joint book project "The Rhubarb Connection" with Dr. Jacques Covès (Institute of Structural Biology IBS Grenoble) at the University Grenoble Alpes and deliberated with Dr. Isabelle Michaud-Soret, Dr. Jérôme Laisney (now at GreenLight Biosciences, at the French Alternative Energies and Atomic Energy Commission CEA at the time), and Marianne Machioni (then at CEA, now at Izon Science).

He finished by travelling to University Claude Bernard Lyon I, where he held a similar seminar and was shown the laboratories by Prof. Dominique Luneau and Dr. Cédric Desroches. A larger project on synthesis, magnetism and calculations with Prof. Luneau and Dr. Coudert was initiated.