



**OLGA BATAÏA**

*From France to Sweden*



Project: **Sustainable manufacturing and production lines**

Research topic: **Engineering**

Swedish Institution: **KTH / Linköping University / Mälardalen University**

French Institution: **Institut Supérieur de l'Aéronautique et de l'Espace-SUPAERO**

Dates of mobility: **12/06/2016 to 18/06/2016**

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



## PRESENTATION

[Olga Battaïa](#) is Professor at the Institut Supérieur de l'Aéronautique et de l'Espace ([ISAE-SUPAERO](#)) and Assc. Dean at [KEDGE Business School](#). She obtained her PhD in Industrial Engineering in 2007 and was habilitated in 2014. She is also associate editor of the [Journal of Manufacturing Systems](#) and Vice-Chair of the International Academy for Production Engineering [CIRP](#) Research Affiliates. Her research interests span from reverse supply chains, sustainable manufacturing and combinatorial optimization to decision support systems.

## ACTIVITIES IN SWEDEN

Olga Battaïa started her mobility to Sweden by visiting [KTH Royal Institute of Technology](#) and [Antonio Maffei](#) and his "[Industrial Production Systems](#)" group. They discussed energy-conscious production and process planning. Then, she visited [Scania](#) and [Mikael Hedlind](#), where she was offered a tour through the foundry and machining workshop for engine component manufacturing, and the [Academy training facility](#). They discussed low-carbon solutions that enhance customer profitability.

Then, Battaïa travelled to [Linköping University](#) to visit [Prof. Ou Tang](#), part of the [Division of Production Economics](#) under the [Department of Management and Engineering](#). They identified a number of areas of cooperation: e.g., reverse supply chain and hybrid manufacturing systems.

After that, she visited [Mälardalen University](#) and [Prof. Mats Jackson](#) and [Jessica Bruch](#) from the Innovation, Design and Manufacturing ([IDeM](#)) group. They envisaged collaboration in the fields of mixed-model assembly lines and sustainable production system development. She also attended a workshop at Volvo Manufacturing Lab on mass-customized production.

Lastly, she returned to Stockholm and visited KTH again, where she met Head of the [Sustainable Production Systems Division](#) [Prof. Xi Wang](#). They discussed robotics, energy modelling and E-remanufacturing.