



**ANTHONY TRIOUX**

*From France to Sweden*



Project: **Wireless technologies and Immersive Visual technologies**

Research topic: **Engineering**

Swedish Institution: **Linköpings University, Mid Sweden University**

French Institution: **Université Polytechnique Hauts-de-France, INSA HDF**

Dates of mobility: **07/05/2022 to 24/05/2022**

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



## PRESENTATION

[Anthony Trioux](#) is Associate Professor at the [University Polytechnique Hauts-de-France](#) and at [INSA HDF](#). His main research directions include signal, image, video processing, objective and subjective quality assessment, and more specifically robust and low-latency video communications. He is currently working on [Linear Video Coding and Transmission](#) (LVCT).

## ACTIVITIES IN SWEDEN

During his two-weeks stay in Sweden, Anthony Trioux visited [Linköping University](#) (LiU) and [Mid Sweden University](#) (MIUN) where he discussed and initiated potential collaborative academic and research works on next generation wireless technologies and Immersive Visual technologies.

During his visit at LiU, Anthony Trioux was able to exchange with Professors and PhD students from the [Communication systems division](#) led by [Prof. Erik G. Larsson](#). They discussed New wireless technologies applied to intelligent Transport Systems (ITS) and Internet of Things (IoT), which represent key technologies that promise to open new possibilities in various domains including smart health, industries, cities, autonomous vehicles, etc.

Regarding his stay at MIUN, he was able to exchange with the [STC \(Sensible Things that Communicate\) Research Center](#), more specifically with the [Realistic 3D Group](#) led by [Prof. Mårten Sjöström](#). They discussed Immersive Visual technologies and more specifically light fields. VR/AR applications immerse the user in a new environment, enabling promising experiences such as virtual tourism (e.g., visiting museums and historical sites remotely), while they can also be tools to improve education.

Following this mobility, several potential academic and research collaborations have been identified with the two Swedish Universities.