



**WAGNER OURIQUE DE MORAIS**

*From Sweden to France*



Project: **Ambient intelligence, smart applications and ubiquitous computing**

Research topic: **Informatics**

Swedish Institution: **Halmstad University**

French Institution: **Côte d'Azur University Sofia Antipolis I3S**

Dates of mobility: **11/07/2017 to 26/07/2017**

Program: **SFVE-A (ex-FRÖ)**



## PRESENTATION

[Wagner Ourique de Morais](#) is a Senior Lecturer of Embedded Systems at [Halmstad University](#). He graduated 2015 with a PhD degree in Computer Science and Engineering at Halmstad University. His research work focuses on health-related smart home technologies. He is among other things interested in smart systems supporting self-monitoring and precision health, and in integrating these systems in order to achieve more effective and interoperable health care systems and smart home technologies.

## ACTIVITIES IN FRANCE

During his mobility to the Laboratory of Computer Science, Signals and Systems ([I3S](#)) of the [Côte d'Azur University](#) at [Sophia Antipolis](#), he met [Assc. Prof. Jean-Yves Tigli](#), [Assc. Prof. Stéphane Lavirotte](#), [Gérald Rochier](#) and [Franck Dechavanne](#). Prof. Lavirotte showed him the [Campus SophiaTech](#) and the I3S Laboratory, and they discussed ambient intelligence. Furthermore, Ourique de Morais exchanged views with Prof. Tigli on smart applications (such as the application of Ambient Assisted Living systems (AAL), challenges of physical environment heterogeneity and uncertainty, ubiquitous computing, and semantic description of environment and devices. They envisaged joint participation in conferences, workshops, and journals. Prof. Tigli also introduced Ourique de Morais to ongoing collaborations with the [City of Nice](#) and Hospital Center University ([CHU](#)), where a "[Plateforme Habitat](#)" (an assistive technology equipped apartment) is developed in collaboration with [Violaine Guy](#). Prof. Lavirotte and Dechavanne presented [UbiUnity](#), a simulation tool that can be used to create virtual environments by simulating physical network enabled sensors and actuator, that could benefit from Ourique de Morais' work on integrity and privacy. Ourique de Morais also held a seminar on Halmstad University, [the Healthcare Technology Center Halland](#), the Health Innovation CORE group and an overview of his current research. A number of collaboration opportunities emerged; for instance, student exchanges, co-tutored PhD programs, and joint research papers e.g., on pervasive health technologies.