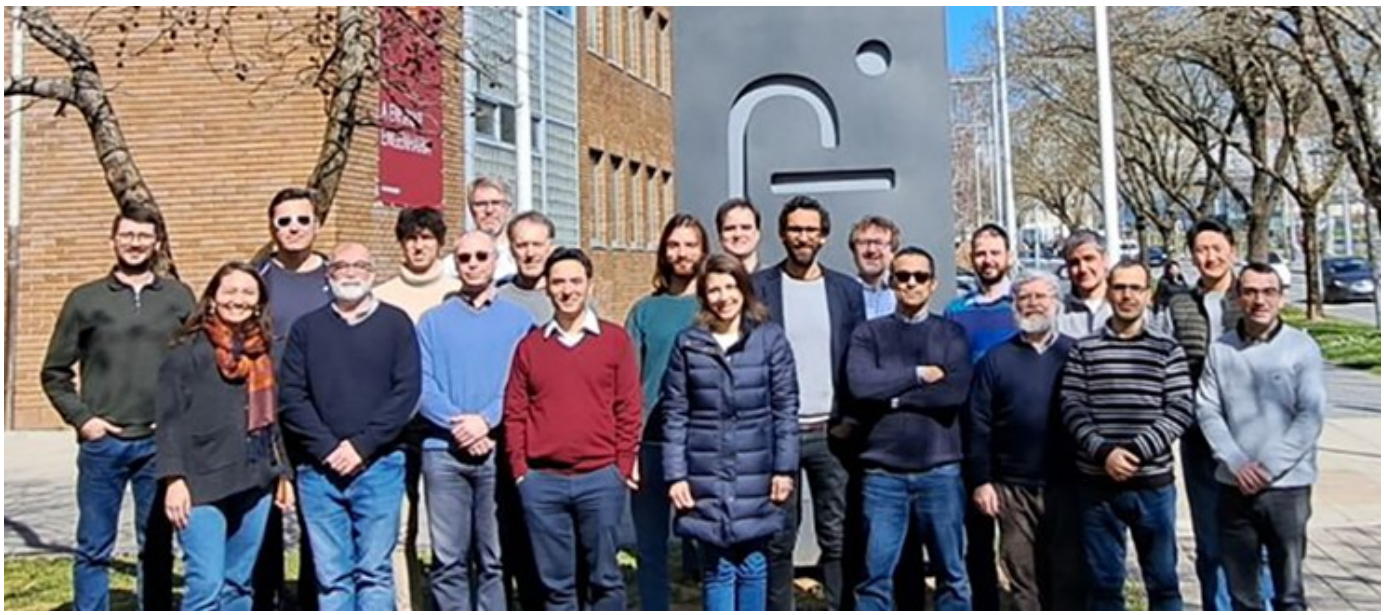
ISEP hosts researchers and engineers in the AMPERE project

ISEP hosts researchers and engineers in the AMPERE project

07-03-2023



The “Instituto Superior de Engenharia do Porto” (**ISEP**) received, in late February, the **visit of 25 researchers and engineers**, from **seven European countries**, for a meeting of the European research **project H2020 AMPERE.**

This project, which lasted three years and had a budget of five million euros, aims to **create a new generation of software development methodologies** for heterogeneous computer architectures, with low power consumption, to **implement advanced cyber-physical systems.**

With completion of the AMPERE project scheduled for June 2023, the partners met for three days to analyze the integration of the technologies developed, namely model transformation and code generation (led by the Supercomputing Center of Barcelona, Spain), the multicriteria time and energy optimization components (activity led by ISEP), parallel computing architectures (led by “Scuola Superiore Sant'Anna”, Italy), operating systems and platforms (led by Evidence, Italy), and the integrated development ecosystem (led by Thales, France).

The project's advances will be demonstrated in two applications, one in the automotive domain, an **advanced predictive cruise control system for autonomous driving** (from partner Bosch, Germany), and the other in the railway domain, an **autonomous obstacle detection and prevention system for surface metro** (from partner Thales, Italy).

In this meeting, in which **ISEP** was represented by **researchers** Luis Miguel Pinho, Tiago Carvalho and Mohammad Samadi, the methodologies and tools for optimizing software execution were presented, a work developed by ISEP's team in the project, which included teachers and students from the Computer Engineering Department.

+INFO