

# JOB OFFER : ENGINEER / POST-DOC

For the ITEA2/PARMA of the European Commission, TELECOM & Management SudParis seeks an expert in High Performance Computing.

## Context

The goal of the PARMA (PARallel programming for Multi-core Architectures) project is to take advantage of multi-core architectures to enhance the performances of parallel and mainstream applications.

## Scientific objectives

The objective is, from a common expression of parallelism in the source code, to automatically produce hybrid executable code dedicated to distributed memory architecture platforms made of multi-core processors.

## Job description

- Designing a software infrastructure to produce executable code for a distributed memory architecture (message passing) made of multi-core processors (threads) from a source code containing compilation directives (à la OpenMP),
- Developing the software to validate the concepts designed in the previous step,
- Testing the developed software on benchmarks and on the code of applications provided by PARMA project partners.

## Expected skills and knowledge

- Experienced computer science engineer or post-doc,
- Good knowledge of theory and practice of High Performance Computing,
- Good knowledge of parallel programming (with MPI and OpenMP) and compilation.

## Contract

- Type : fixed term contract
- Duration : 18 months,
- Contract starting date : open position
- Salary : around 2500 € per month,
- Location : TELECOM & Management SudParis - 9, rue Charles Fourier - 91011 EVRY CEDEX (30km south of Paris) - FRANCE.

## How to apply

- Application letter (pdf format) : including CV, names of referees, letters of recommendation
- Selection : letters and interviews,
- Deadline : as soon as possible,
- Contact : frederique.silber-chaussumier@int-edu.eu