

UBIVERTEX - Letter of Intention

Institute/Company

Name: Laboratoire Informatique de Nantes (UMR 6241) Country: France

Activity domain: Computer Science

Number of employees: ☐ <50 ☒ <250 ☐ > 500

Name of the department/research team: ASCOLA Research Group

Scientific contact

Name: Mario Südholt

Mail: mario.sudholt@mines-nantes.fr

Phone: +33 (0)2.51.85.82.47

Challenge descriptions:

The ASCOLA project-team aims at harnessing and developing advanced application structuring mechanisms, and supporting the transformational development of correct large-scale applications as well as their valid evolution throughout their entire life cycle. Among our different activities, we focus on abstractions and development methods for distributed and concurrent systems, in particular flexible and energy-efficient infrastructures. The UBIVERTEX platform will help us to validate and improve our proposals, in particular on the following topics:

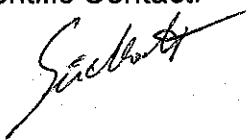
- The self-management of large scale virtualized infrastructures (ANR SelfXL, ANR Entropy)
- The integration of the Service Level Agreement (SLA) aspects in virtualized infrastructures (ANR MyCloud)
- The management of data across several data centres (MCITN SCALUS)
- The energy concerns of modern data-centres (FUI Cool IT)

Type of commitment (internship, Phd grant, engineering staff):

Currently 6 Phd students, 3 engineers, 3 Associate Professors are addressing these challenges.

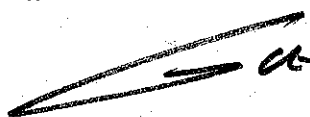
Number of persons involved in these challenges: 9

Signature of
Scientific Contact:



Date: 8 Sep. 2011

Signature of the Legal
Representative/ Head of the Institute:



Date: 08/05/11