

PIA3 / Appel à projets Structuration de la Formation
par la Recherche dans les Initiatives d'Excellence / Call
for proposals Graduate schools
2019

TRITON

Document de soumission / Submission form

GS Mathematics and ICT

Smart Computing

Scientific leaders: Claude JARD – Patrick LE CALLET – Pascal MOLLI

Partner Institutions: UN, CNRS



Scientific expertise Smart Computing systems intertwines most major areas of computer science and engineering (computational intelligence, machine learning, data analytics, software engineering, computer vision, computational imaging, internet technologies, distributed computing and sensing, computational biology, cognitive and perceptual computing, optimisation & logistics...). The site of Nantes offers a unique combination of excellent research track and experimental platforms on key domain of both smart health and smart industry. The GP aims to boost this excellence and to be internationally recognized for training "multidisciplinary-ready" smart computing future researchers and engineers, able to collaborate with other disciplines related to smart health and smart industry.

Key assets LS2N is a joint research unit bringing together expertise in computer science and automation. It is the unique digital sciences lab in Nantes and includes the activity of more than 450 persons. Its expertise is recognized worldwide (i.e. 5 large scale H2020 running projects), as well as its involvement in multidisciplinary key platforms that will contribute to the training by research on several GPs : Scientific and AI computing (CCIPL), Data & computing on genomics : BIRD (Inst. Thorax / LS2N). TGIR Silecs, world class Userlabs (Polytech & Halle 6), Fondation Tara Ocean (FR CNRS Gosee),