Antoine de Marassé

antoine.demarasse@gmail.com
+33 7 49 252 161
Paris Region
25 March 1991, French

Technical Project Coordinator
Embedded Systems Engineer

WORK EXPERIENCES

Projects **Committee Chair**, ICOST Conference, 2017-2020
Academic Contributor, Université UTS Sydney, 2020
Principal Demo Host, Fusionopolis Living Lab, 2016-2019
Scientific Speaker, City for All Ages NUS Workshop, 2019

IPAL Lab (IMT)
May 2017 – Oct 2019
Singapore

Project & Pilot Site Coordinator
Develop the H2020 EU project *PULSE** (total budget of €4.9M for 3 years)
**Participative smart cities project for Health (type-2 Diabetes and asthma):*
- Coordinate 5 pilot cities (Birmingham, Barcelona, New York, Paris and Singapore) and manage implementations of local test-beds
- Enable local technology deployments and data collection processes through the validation of ethical approvals (IRB applications)
- Supervise the laboratory's R&I technicians, manage team efforts and provide the scientific and technical knowledge
- Prototype technological solutions (web services and data visualisations)
- Lead reporting activities and present results to the EU Commission, communicate actively with partners on the progress and exploitation plan

IPAL Lab (CNRS)
Apr 2016 - Oct 2018
Singapore

Scientific Project Leader
Develop the H2020 EU project *City4Age** (total budget of €4.4M for 3 years)
**Elderly-friendly IoT smart services (ageing well):*
- Coordinate 6 pilot cities (Montpellier, Lecce, Athens, Birmingham, Madrid and Singapore) and lead Singapore's test bed
- Build Proof-of-Concept/demonstrator, supervise technical activities
- Implement technical tasks for local data collection and analytics
- Manage local technology deployment and develop strategic partnerships

French Embassy
Apr 2015 - Mar 2017
Singapore

Scientific Liaison Officer
Identify, develop and facilitate collaborative opportunities between French and Singaporean governmental institutions, research agencies, academia and industrial R&D (projects, research programs and joint laboratories):
- Stimulate and maintain the scientific and research network by providing intelligence in engineering technology fields

- Promote and coordinate funding grants to support mobility of researchers
- Organize scientific events and welcome official delegations (including former French President François Hollande in March 2017)

Dassault Systèmes Mar - Sept 2014 Vélizy, France	**Mechatronics Pre-sales Engineer** Develop an industry-oriented solution for mechatronics (ECAD-MCAD) systems using the 3DExperience platform (CATIA) and external electronics software
Withings May - Aug 2013 Paris, France	**Mission Electronic Engineer** Optimize electronics (costs and consumption) of Internet-of-Things devices Design and implement an amplification system for "Body" scale device
Vallourec Jun - Aug 2012 Shanghai, China	**Mission Quality Engineer** Improve methods (Six Sigma) and production processes together with quality engineering teams and factory workers

EDUCATION & PROJECTS

ECE Paris 2011 - 2014 Paris, France	**Master Degree in Embedded Systems Engineering** Specialization in Embedded systems: design and implementation of electronics in different settings (transport systems, aviation and mobile devices) using real-time computing and telecommunications
2013 Seoul, Korea	**SKKU University - Computer & Networks Engineering** Research on Mobile Computing and Wireless Network
2011 Nilai, Malaysia	**INTI University - Electrical & Electronics Engineering** Student Project Leader on electronics systems
ECE Paris 2009 - 2011 Paris, France	**Integrated Preparatory Cycle** Scientific preparation with high value on student projects Project: winner of the DCNS contest (Smartphone-controlled submarine)
A-Level 2009 Issy, France	**French baccalaureate in Science** Specialisation in Engineering, Physics and Maths

ASSOCIATED SKILLS & LANGUAGE PROFICIENCY

Programming:	JAVA Android, C/C++, Python, Web Technologies
Electronics:	Microchip, autonomous systems, sensors, robotic systems
Telecoms:	CISCO, Bus (FlexRay, I2C), Software Defined Networks on 5G (OpenFLow), H.264
Software:	Proteus, Pspice, MPLab, MikroC, Xilinx, 3DExperience (CAO), Photoshop
Languages:	English (fluent), French (native), Chinese Mandarin (basics)

OTHER PERSONAL INTERESTS

Visual Arts	Acrylic artworks, Logos and visual communication
Sports	Handball (NSW tournament), Diving (PADI level)