

Federated CPS Digital Innovation Hubs for the Smart Anything Everywhere Initiative

Second open call for Application Experiments – Up to €60K funding, technical and business coaching available to support European companies to develop smart applications.

Scope: FED4SAE is part of the Smart-Anything-Everywhere Initiative. The three-year project aims to facilitate the acceleration of European Cyber-Physical System (CPS) and Embedded Systems solutions to market and will boost digitization of European industry by strengthening companies' competitiveness in the CPS market. It is targeted at European start-ups, SMEs and midcaps in all sectors dedicated to building and creating novel and innovative digital products and services addressing new markets, such as smart cities, smart agriculture, smart food, smart health and wellbeing, smart building, smart transport and others.

We are looking for companies that want to:

- Develop novel and innovative smart solutions that will enable them take a leading position in their target markets.
- Use the most advanced technologies and industrialized solutions to link the physical world with the virtual world in combining hardware and software expertise
- Gain access to resources, competencies and save development time
- Enter into a unique European ecosystem gathering leading industrial companies, world class research organizations, innovation accelerator and private investors

What we offer:

Through our open calls, FED4SAE provides a unique marketplace organized as a one-stop-shop with access to leading-edge industrial platforms along with access to several advanced technologies and testbeds as well as support through expertise, know-how, coaching, design support, tech transfer from our partners.

Application Experiments will receive relevant business and innovation management support - linking applicants to suppliers, well-connected business infrastructures and existing regional innovation hubs - to facilitate the industrialization of the developed solution.

On top of that, we are providing up to 60.000 € of funding for the selected proposals - at a funding rate of 70% of the budget – to support the development of the proposed solution.

The FED4SAE Application Experiments are expected to be designed and developed based on one of the following FED4SAE industrial platforms

- *TIME4SYS* from Thales
- *Integrated and Open Development Platform* from AVL
- *Neural Compute Stick* from Intel – Computer Vision at the edge.
- *Compute Card* from Intel – a credit card sized computer.
- *STM32F platform* from STMicroelectronics France
- *WeSu platform and ODE-STM32 Nucleo Expansion Boards* from STMicroelectronics Italy

Our Research and Development centers offer access to a wide range of advanced technologies and testbeds:

- *Silicon Impulse, LINC, Sensinact and SigmaFusion* from CEA
- *WiseNET, GPS free localization solver, Vision in a Package, Hyper Vision, WiseDep Chemical Sensing, Soft MemS, Adv Manufacturing & package* from CSEM
- *π -Fab* from Fraunhofer IISB
- *AIDE* from KTH
- *Eclipse 4diac* from fortiss
- *Reliability* testbed from BME
- *Products and Technologies Living-lab* testbed from CEA
- *Lorawan LPWAN Testbed* from DigiCat
- *Research Concept Vehicle* testbed from KTH
- *Santander Smart City* testbed from UNICAN
- *Corrosive Gases, Gas Sensor and Energy Electronic* testbed from Fraunhofer IISB

How to enter:

To benefit from our acceleration program, apply to our open call to develop your innovative solution.

Each Application Experiment is based on a combination of one of our industrial platforms with an advanced technology or testbed - or extensive coaching in case TIME4SYS or IODP are used. The expected outcome of our Application Experiments (ranging from between 9 to 18 months) is a demonstrator prototype for software-intensive or system integration projects with high technology readiness level (TRL). The prototype may also be used as a first generation product.

Interested European startups, SMEs and mid-Caps are encouraged to review details of these platforms and technologies on www.FED4SAE.eu and contact our project members to find out more:

- CEA Leti (France)
- Intel Research and Development Ireland (Ireland)
- STMicroelectronics SRL (Italy)
- STMicroelectronics Grenoble (France)
- Thales SA (France)
- AVL List GmbH (Austria)
- Digital Catapult (UK)
- Fraunhofer-Gesellschaft (Germany)
- fortiss GmbH (Germany)
- CSEM (Switzerland)
- KTH Royal Institute of Technology (Sweden)
- Budapest University of Technology and Economics (BME) (Hungary)
- Cantabria University (UNICAN) (Spain)
- Blumorpho SAS (France)

Our Networking Partners are pleased to help applicants with registration, submitting proposals and finding the right industrial platforms, advanced technologies or testbeds that best suit your needs.

Applicants should use the proposal template when writing their proposals. Important guidance as well as a detailed explanation of our rules, the types of experiments we support and more information about our platforms, technologies, testbeds and competences can be found on our website www.FED4SAE.eu and in our *Guide for Applicants*.

Call opening: May 29th 2018

Call deadline: September 18th 2018, 5pm (Brussels Time)

Call acceptance: November 6th 2018

Call identifier: FED4SAE02 call

Proposal language: English

Web page (full call text/proposal guidelines/standard agreement): www.fed4sae.eu

Email address (information): info@fed4sae.eu