

Federated CPS Digital Innovation Hubs for the Smart Anything Everywhere Initiative

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

FED4SAE provides a unique marketplace organized as a one-stop-shop providing access and assistance to several industrial platforms, along with expertise, know-how, coaching, design support, tech transfer and access to several advanced technologies and testbeds. Innovation management - linking applicants to suppliers, well-connected business infrastructures and existing regional innovation hubs - ensures the relevant conditions for innovation adoption and access to further investments to facilitate the industrialization of the developed CPS solutions. Selection of Application Experiments is done through open calls. Application experiment duration is 9 to 18 months. The maximum funding per applicant is 60k€ at a funding rate of 70% of the budget. Multiple experiments per applicant are possible, with a total maximum funding for all experiments of 100k€ (through all three open calls of the project).

You are invited to submit Application Experiment proposals, targeting an innovative CPS solution, for exciting new markets, such as smart cities, smart agriculture, smart food, smart health and wellbeing, smart building, smart transport, etc. Each AE must focus on at least one of the following areas:

- **Software-intensive AE:** Building a system solution with a software prototype demonstrator running on a FED4SAE industrial platform as outcome.
- **System integration AE:** Building an innovative system solution using **existing software and hardware components** with an **integrated system prototype demonstrator as outcome**.
- **CPS and Embedded System with innovative component AE:** Building an integrated Hardware-Software prototype requiring **specific hardware-software components**.

Successful Application Experiments are expected to be designed and developed on a collaboration based on at least one of the following seven FED4SAE industrial platforms

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

Additional services will be provided by our networking partners and at least one of the advanced platform partners, whose services include access to advanced technologies and testbeds. Details of these are to be found on the www.FED4sae.eu website:

- *Silicon Impulse, LINC, Sensinact and SigmaFusion* from CEA
- *WiseNET, GPS free localization solver, Vision in a Package, Hyper Visio, WiseDep Chemical Sensing, Soft Mems, Adv Mfg & package* from CSEM
- *π-Fab* from FhG
- *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

Our networking partners are pleased to help the applicants with registration, submitting proposals and finding the right industrial and advanced platform partners. All necessary documents and more details on the open call, eligibility criteria, FED4SAE partners and their roles, as well as the offered industrial and advanced platforms are available at www.fed4sae.eu

Call duration: November 14th, 2017 - February 6th, 2018, 5pm (Brussels Time)

Call identifier: FED4SAE01 call

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