

SMART4ALL

SMART4ALL is a funding program that fosters transfer knowledge and technology between academia and industry. It targets **Customised Low-Energy Computing (CLEC)** for **Cyber Physical Systems (CPS)** and the **Internet of Things (IoT)**. The funded technology has to be applied in a product or solution dealing with one of the competence fields mentioned in the chart below.

- Application experiments (projects) can be funded with up to 80,000 €
- The application process is low time consuming, in order to successfully fill in the application form you will probably need 1-2 days of writing

SMART4ALL IS OPEN TO PROPOSALS INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING FIELDS:

| | DIGITIZED TRANSPORT | DIGITIZED ENVIRONMENT | DIGITIZED AGRICULTURE | DIGITIZED ANYTHING |
|----------------------------|--|---|---|--|
| SMARTALL COMPETENCE FIELDS | <ul style="list-style-type: none"> • Green transport • Smart mobility • Shared mobility • Robotics • New platforms for efficient supply-demand matchmaking • Automotive electronics • Autonomous vehicles • Connected vehicles • Streamlining transport using big data • Aeronautics and space applications • Transport and Logistics • City Transport Mapping | <ul style="list-style-type: none"> • Smartbuilding • Smarthome • Critical infrastructure monitoring • Smart hospitals • Water pollution monitoring • Smartgrids • Energy management • Environment monitoring • Rural areas -> Monitoring attractions such as lakes and rivers (both water and wet area). • Urban areas -> indoor and outdoor pollution and noise monitoring. • Bio-diversity • Wild/migratory animals monitoring • Smart industry • Data processing & | <ul style="list-style-type: none"> • Smart farming • AI inspired agriculture • Information based site specific applications • Demand driven, sustainable agriculture • Mobile plant, soil and environment sensors • Sensor networks – EU wide – cross-border • Field robotics and automation systems • UAV based agriculture and plant monitoring • Selective plant protection • Closed nutrient cycles • Agricultural decision support systems • Zero-energy food systems • Circular economy • Water, Energy and Food (WEF) efficiency | <ul style="list-style-type: none"> • Human-machine Interaction • Digital Education • Industrial Automation • Machine Learning • Market Intelligence • Medical and Health Applications • Active & Healthy Ageing • Support for disabled persons • Cybersecurity • Data Mining and Big Data • Personal security • Additive Manufacturing (3D printing) • Augmented and Virtual Reality • Audio/Video Processing • Location-based Technologies |

Eligible are:

- Companies below 500 employees and a turnover below €100M
- Universities and other Academic Institutions

Three types of Application Experiment (AE) can be funded:

1) KTEs – Knowledge Transfer Experiments (open for proposals)

A novel type of experiments allowing smaller projects, or less mature ideas to be presented, tested and thus potentially find the fertile ground to grow and reveal its product potentials. KTEs act as internships / traineeships, apprenticeships and short-term training programmes for unemployed people for vacant digital jobs.

- Expected duration: short-term (3 months)
- Scheme: Internships projects between two different entities from two different EU Countries: one Academic/Industrial partner who act as Sending Organization and one Academic/Industrial partner who act as Host Organization. Beneficiaries
- Budget: up to 8,000€ to cover mobility allowance for implementing the internship.
- Submission Deadlines on **15th July 2020**, May 2021 and May 2022

2) Focused Technology Transfer Experiments (FTTEs) (not published yet)

Within this type of experiments, one party transfers to the receiving partner a specific hardware or software technology in order to enable improved product or processes.

- Expected duration: short-term (up to 9 months)
- Scheme: Two different entities from two different EU Countries: one Academic and one Industrial or two industrials.
- Budget: up to 80,000€ to cover staff, travel and equipment
- Submission Deadlines on 30th September 2020, August 2021 and August 2022

3) Cross-domain Technology Transfer Experiments (CTTEs) (not published yet)

Complex multidisciplinary transfers and productization of novel CLEC CPS and the IoT technologies to wider markets.

- Expected duration: short-term (12 months)
- Scheme: Three (3) entities from at least two different EU Countries (at least one SME; the experiment should be led by the SME)
- Budget: up to 80,000 € to cover staff, travel and equipment
- Submission Deadlines on February 2021, November 2021 and November 2022

Please ask us for more detailed information regarding the SMART4ALL funding program.

Your local contact point?

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