Call for applications for Short Term Scientific Missions

September 2019 – STSM3 Round 1

Wider Impacts and Scenario Evaluation of Autonomous and Connected Transport

WISE-ACT
COST ACTION CA16222

Short Term Scientific Missions (STSM) are funded as part of the COST Action CA16222 **Wider Impacts and Scenario Evaluation of Autonomous and Connected Transport (WISE-ACT)**. This is a research network funded by COST European Cooperation in Science and Technology. The Action aims to build a European network of experienced scholars, young researchers and industry representatives working on the transition to autonomous and connected transport.

Short-Term Scientific Missions (STSM) allow scientists to conduct short research and study visits to a research institution or laboratory in another COST Country in order to strengthen the existing networks and to foster collaboration, to learn a new technique or to use instruments, data and/or methods not available in their own institution and to contribute to the scientific objectives of the Action.

The COST Action CA16222 has five working groups. STSMs are considered a great opportunity for participants to focus their work on research interests that have been highlighted by WGs or introduce new ones in light of the COST Action objectives (for details visit http://www.wise-act.eu/about/objectives). In this Call, the Action wishes to focus on a number of tasks as outlined in the MoU and WBP3. Applicants may focus on the proposed topics to fulfil Action tasks and objectives. Note that this does not exclude other topics, which might also be funded through this or other Calls in the course of this Action.

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1.   STSM Topic: *Finalise the Glossary of AV related terms*

Description: *The STSM aims at contributing in the development of a common ACT terminology across Europe. The successful candidate will complete and finalise the Action Glossary, building on outputs of the two previous stages. The output should be a list of >50 AV related terms to be published online, including their definition, related terms and source. It should also be translated in at least one more European language other than English. Following the STSM final report, selected parts of the STSM output will be included on the Action website.*

Potential Hosts: *Paris (FR), Torino (IT), Udine (IT), London (UK)*

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2.   STSM Topic: *Provide support and assistance in designing and managing the Idea Jam challenge*

Description: *The focus of the STSM will be on supporting and assisting the Idea Jam Co-ordinator and the Action Chair in designing and managing the Idea Jam challenge planned for November 2019. Support and assistance is required both before and after the event in publicising the event, preparing material, creating teams, arranging mentors, defining technical requirements, circulating invitations and outputs. The successful candidate could be an ECI who will need to have expertise and interest in ACT, as well as event management and media communications. The outputs of this STSM will be the tangible support and assistance to the Science and Communications Co-ordinator and the Action Chair in organising a successful Idea Jam challenge. Outputs will be made available through the Action Reserved Area and website.*

Potential Hosts: *Rotterdam (NL), Istanbul (TR)*

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3.   STSM Topic: ***ACT business models typology***

Description: *The STSM aims at evaluating the viability of at least three passenger/freight ACT business models and providing key input for WG3 objectives. It will build up on previous WG3 STSM outputs and produce a relevant report of at least 5000 words. Outputs may also be published as a journal paper in one of the Action 2020 Special Issues.*

Potential Hosts: *Stockholm (SE), London (UK), Bristol (UK)*

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4.   STSM Topic: ***WISE-ACT Tier 1-2 survey design and analysis***

Description: *The focus of the STSM will be on designing and analysing the Action Tier 1-2 survey taking place in autumn. Building up on work already conducted by WG4 and the Core Group, the successful candidate will contribute in reviewing, uploading, testing and analysing both the pilot and main survey. Previous survey design and management experience is essential for this STSM. Outputs will include the timely delivery of the Action Tier 1-2 survey parts, initial survey data analysis, input for Action publications. The successful candidate will be invited to submit input and co-author a relevant publication in an Action 2020 Special Issue.*

Potential Hosts: *Torino (IT)*, *London (UK)*

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5.   STSM Topic: ***Evaluate ACT scenarios through simulation***

Description: *The focus of this STSM will be on a systematic identification of relevant ACT scenarios from the literature and previous research outputs including Action STSM and evaluating them through simulations. Scenarios should be in both urban and non-urban settings, including safety, security, privacy as variables. Outputs should include a comprehensive literature review and a list of scenarios by variable identified in the literature. These should be included in a report of at least 5000 words and the successful candidate will be invited to co-author a publication including these outputs in an Action 2020 Special Issue.*

Potential Host: *Munich (DE), Ispra (IT)*

Those interested in submitting an application should consult the CA16222 STSM Guidelines attached to this Call for details about eligibility, grants, criteria for evaluation of applications/proposals and how to apply.

Grant Period: This Call covers the grant period 1st May 2019 – 30th April 2020 and any STSM should be completed until 31st March 2020. This Call will fund STSMs up to a total value of EUR 2500, subject to any adjustments according to the relevant COST guidelines.

Deadline: Applications should be received by e-mail until **30th September 2019**. Decisions will be announced by 4th October 2019.

Contacts:
STMS Coordinator: Prof. Maria Attard (stsm@wise-act.eu)
Action Chair: Dr Nikolas Thomopoulos (chair@wise-act.eu)

Additional information about the COST Action CA16222: http://www.cost.eu/COST_Actions/ca/CA16222

Additional information available in the COST Vademecum http://www.cost.eu/Vademecum