

Open Tender

eProInn srl (www.eproinn.com) is looking for a **scientific and technical partner** for the following task: “**R&D support in simulation modelling and tests on human vehicles interface and control system**”. The scope of the activity is the assistance in development and validation of mathematical models for model based control of a solar-hybridized vehicle. The models, to be implemented in Matlab/Simulink environment, will describe both longitudinal and lateral dynamics and driver behaviour for a car powered by an internal combustion engine and hybridized by means of electrical wheel motors. The models must be integrated with optimization procedures in order to determine optimal and sub-optimal control strategies for real-time applications.

The activity is carried out within the European Project **LIFE-SAVE** (Solar Aided Vehicle Electrification, LIFE16 ENV/IT/000442), financed by European Commission within the LIFE Programme (<http://ec.europa.eu/environment/life/>). The aims and the general aspects of the LIFE-SAVE project are available on the project website www.life-save.eu. The project description, in terms of Background, Objectives, Expected Results, Beneficiaries and Administrative Data, is available on the official page of the project, at the following link: <https://goo.gl/1qcjsu>.

The work, to be carried out under the coordination of the technical staff of eProInn, must be completed before March 31st, 2019. The potential applicants are private or public institutions, including universities and research centres, belonging to a Member state of the EU.

To apply, please send a proposal **before May 25, 2018**, including the following information:

- Name and description of the institution.
- Curriculum of the Principal Investigator (PI).
- Name and CV of the components of the research group.
- List of publications, patents and projects of the research group in last 10 years focusing mathematical modelling and control of conventional and hybrid vehicles.
- Declaration of the proposer that none of the exclusion criteria listed below applies.
- The cost of contract, not exceeding 40 k€.

The proposal must be sent in PDF format to eproinn@pec.it. The tender procedure will be awarded based on the principles of absence of conflict of interest and of “best value for money”, accordingly to the LIFE Grant Agreement Financial and Administrative Guidelines available at the page <https://goo.gl/K1ok3o>. In particular, award criteria will consider:

- Scientific qualification and scientific titles of the proposers (25%).
- Previous experience in the area of mathematical modelling and control of conventional and hybrid vehicles (50%).
- Cost of the contract (25%).

The result of the tender procedure will be communicated via certified email within May 28, 2018.

Evaluation of the exclusion criteria

According to the “Guide for tenderers” available at http://ec.europa.eu/oib/doc/tenders-submission-guide_en.pdf, candidates or tenderers are excluded from participation in procurement procedures if:

- (a) they are bankrupt or being wound up, are having their affairs administered by the courts, have entered into an arrangement with creditors, have suspended business activities, are the subject of proceedings concerning those matters, or are in any analogous situation arising from a similar procedure provided for in national legislation or regulations;
- (b) they have been convicted of an offence concerning their professional conduct by a judgment which has the force of res judicata;
- (c) they have been guilty of grave professional misconduct proven by any means which the contracting authority can justify;
- (d) they have not fulfilled obligations relating to the payment of social security contributions or the payment of taxes in accordance with the legal provisions of the country in which they are established or with those of the country of the contracting authority or those of the country where the contract is to be performed;
- (e) they have been the subject of a judgment which has the force of res judicata for fraud, corruption, involvement in a criminal organisation or any other illegal activity detrimental to the European union's financial interests;
- (f) following another procurement procedure or grant award procedure financed by the Community budget, they have been declared to be in serious breach of contract for failure to comply with their contractual obligations.

Fisciano, May 14, 2018

e-signed

Gianfranco Rizzo

CEO and founder of eProInn

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File available at: http://www.hysolarkit.com/doc/Open_Tender_eProInn_1.pdf