Area of Advance Transport

Call for project proposals on the themes:

*Electromobility and Autonomous transport: year 2020*

The Transport Area of Advance calls for projects on the themes: *Electromobility* and *Autonomous transport*. A successful transition to a future sustainable transport system that is efficient, fossil-free, safe and socially sustainable requires measures in several areas that must together attain greater transport efficiency, a decreased carbon footprint and increased safety. This can be achieved through a range of actions including, changing needs and behaviours, policy instruments, business models, eliminating the need to perform transport runs, making transport more resource and energy efficient, using a higher proportion of renewable fuels, technological development and implementation and testing of new technology. The future transport system will require new solutions and methods as well as work conducted within several areas simultaneously. This, in turn, requires expanded and improved collaboration between the actors in the transport system and organisational learning. Measurement and evaluation systems are also necessary to continually follow up this coordination work at all system levels.

Information about the call and funding:

- The projects must be interdisciplinary\(^1\) ventures, and faculty members from different research teams must be represented.
- The relevance to UN’s global Sustainable Development Goals SDG should be addressed in the proposal.
- At least two faculty members\(^2\) must take part in the project. At Chalmers, only base funded faculty members can apply, but parts of the funding can be used to finance other researching staff (not doctoral students) in the project.
- Cost of salaries and project specific equipment (yearly depreciation cost) can be funded. Fees for ‘open access’ and ‘general equipment’ are not funded.
- Projects on the themes *Electromobility* and *Autonomous transport* may span one year: 2020
- The received funding each year must be spent during the year for which the funding was granted. Hence, funds cannot be ‘saved’.
- The earliest starting date is 1 January 2020.
- The total budget for the call is about SEK 10M for Chalmers.
- The total budget for the call is about SEK 500 k for GU. GU’s budget will be spent with a focus on system level studies and social sustainability, hence not on the latter listed actions (using a higher proportion of renewable fuels, technological development, and implementation and testing of new technology). For GU researchers taking part in such projects in the SVT area, there is a limit of SEK 25 k per researcher for networking, the actual research has to be funded by other sources.

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\(^1\)The following definition of interdisciplinary research can be used as guidance: “Interdisciplinary research is a mode of research by teams and individuals that integrates information, data, techniques, tools, concepts, and/or theories from two or more disciplines or bodies of specialised knowledge to advance fundamental understanding or to solve problems whose solutions are beyond the scope of a single discipline or field of research practice.”

\(^2\) Faculty member at Chalmers: base funded faculty or externally funded faculty, at GU: permanently employed researcher
We encourage collaborative projects between University of Gothenburg and Chalmers. In assessment of projects involving both the University of Gothenburg and Chalmers, the universities will make a joint decision so that funding from both Universities will be secured.

The proposals will be evaluated by a panel consisting of the profile leaders and two members from each profile council. The following criteria will be used to guide the evaluation:

- How well the proposal addresses the potential contribution to the AoA Transport vision, for example
  - by the expected impact of the research
  - by strengthening the network between researchers
  - by potential for future funding opportunities
- How well the research addresses the thematic area(s)
- How the collaboration in the proposals adds something new to the research topic
- How well the interdisciplinarity of the proposal is described

Application and budget should be sent to the Transport Area of Advance, kajsa.hulthen@chalmers.se no later than April 28 2019. The decision will be announced no later than June 14.

The application should be written using the ‘Template project application AoAT’ and the budget should be specified using the ‘Template budget AoAT Electromobility’ or ‘Template budget AoAT Autonomous’. Please name the files in the following way:

Applications should be named: project leader’s last nameapplication2019.
See example: Hulthenapplication2019

Budgets should be named: project leader’s last namebudget2019.
See example: Hulthenbudget2019