

## **Assignment for Student One-Pager “The Future of the Automobile”**

**Topic:** Electric Mobility - Wish vs. Reality

**Due Date:** January 18, 2010 / 10am

**Description:** Everyone is talking about electric vehicles these days and there is realistic hope that EVs will help to mitigate the consequences of global warming and resource depletion. However, not everything might be as straightforward as one might think at first sight and some aspects of electric mobility might have been overlooked so far. Therefore it should be discussed how electric mobility could change everyone’s driving habits and what aspects might need to be emphasized more. For example, think about the following:

- Does electric mobility really mean “zero emission”?
- Are batteries the only piece missing for the breakthrough of EVs?
- How could EVs change the use case of individual mobility?
- Will EVs make the driving experience more or less fun?
- What else do you think of when it comes to electric mobility?

**Format:** The papers serve as a preparation for the seminar discussions to capture students’ thoughts, expectations, and concerns regarding the selected topic. While the papers should reflect the students’ own understanding of the matter, references that were used should be listed (e.g. research, statistics, news...). All students draft their paper individually; it is not a group work.

The papers are due at the date and time stated above to allow for review and to include them into the preparation for the seminar discussions. Students should indicate on their paper if they do not authorize the use of their paper in class, further research, or discussion with industry partners.

**Credit:** Students earn one point per paper towards the required three points for successful completion of the course CS532 / ME302. The papers need to be sent to beiker@stanford.edu by the due date.

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