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Cooperative product development in automotive engineering

Apply now for the course in the summer semester 2026!

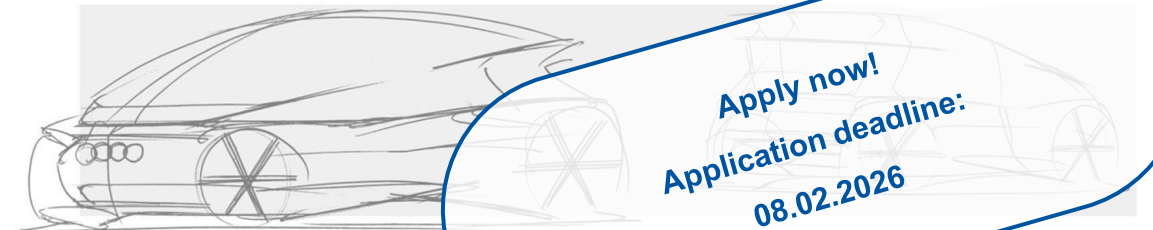
Course and exchange with Hongik University in Seoul.

Interdisciplinary, international vehicle development process
in an industrial environment.

Aachen, 18.12.2025

Lukas Seibertz, M.Sc.

Institute for Automotive Engineering (ika)



Experience collaborative development of a user-centred mobility concept

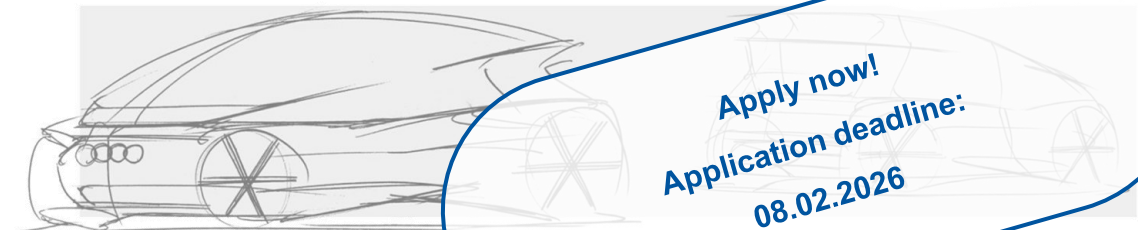


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- **In the summer semester 2026 the course "Cooperative Product Development in Automotive Engineering" will be offered** in cooperation between ika, the University of Wuppertal and Hongik University!
- **During the course** mobility concepts for a specific field of application will be developed within one semester. Together with 20 Korean students and 9 fellow students from Germany, you will be able to experience the individual phases of the vehicle development process from problem definition to virtual concept design up close. You will gain practical knowledge while working directly with industrial partners on their trend topics (circular economy, new business models). This unique experience will not only enhance your technical skills enormously, but also train your soft skills in interdisciplinary work with diverse cultural and technical backgrounds.
- **The goal of this course** is to teach methods and tools of collaboration in distributed locations while applying them in international teams across time zones. Moreover, the interdisciplinary development of a vehicle concept in close cooperation with designers provides the students of RWTH Aachen University with unique insights into this otherwise somewhat alien discipline.
- At the beginning of the course, the theoretical basics are first discussed in lectures conducted online, and project groups are formed with their own project tasks. In the further course, the project goals are defined. The process is accompanied by interim presentations and reviews. Great emphasis is placed on efficient self-organization and agile project management.
- To intensify the group work, **we aim for reciprocal visits**. The RWTH students will travel to Korea for 10 days in May (approx. week 20-21) and get to know different sociological and cultural aspects of the partner country. The return visit will probably take place in week 25-26.



Requirements and application



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Requirements:

- Participants should have a bachelor's degree in mechanical engineering or similar and, in the best case, be enrolled in the master's program in automotive engineering and transportation. Students from other Master's programs or students about to complete their Bachelor's degree may also participate in the course, if they have the appropriate personal qualifications.
- The students will have to pay a share of the travel expenses. ika will try to keep this at the level common for excursions (max. 250 Euro). More detailed information will follow at a later date.
- Please note that due to the Korean Semester, classes start in March and require your continuous attendance (exceptions are possible after consultation with the lecturers).

Application:

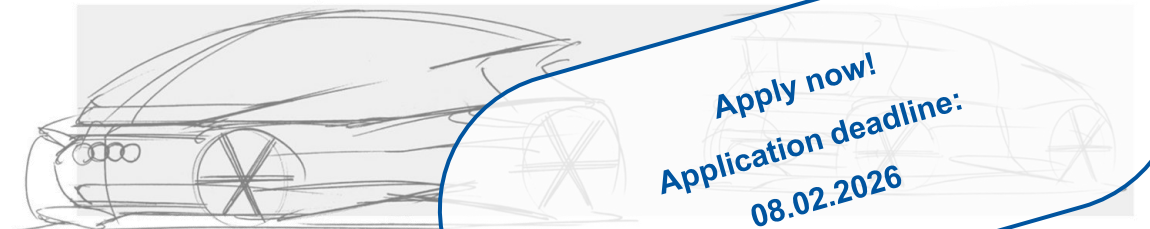
- Only 10 places are available on the RWTH side. A written application with the following points is required:
 - Letter of motivation that let's us know what makes you a special candidate
 - Current status of studies (transcript of records)
 - Curriculum vitae in tabular forma

And is followed by a short interview.

Only complete applications will be considered!

Please send all documents by 08.02.2026 to:

kopro@ika.rwth-aachen.de



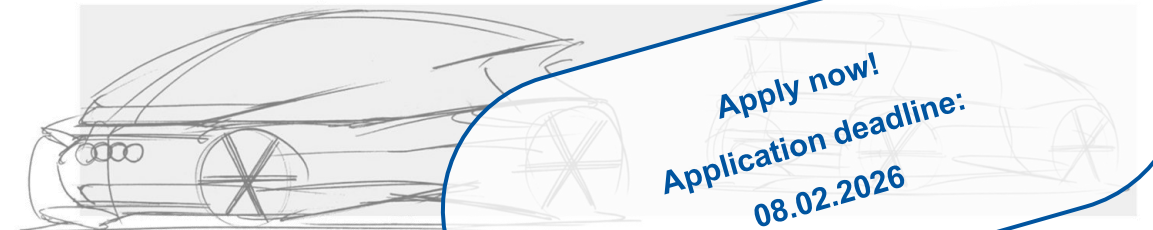
Results from previous years



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Contact



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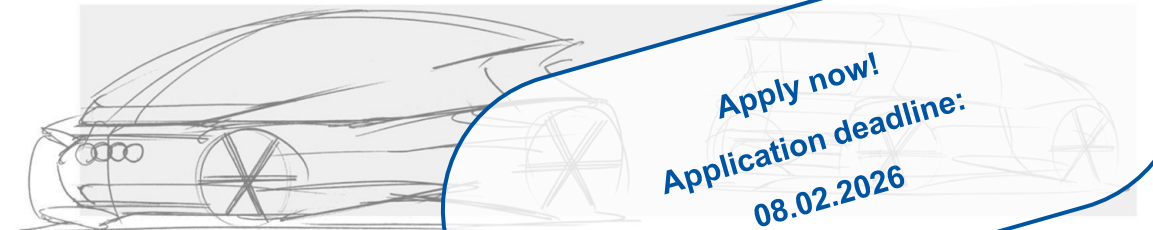
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Internet www.ika.rwth-aachen.de



Apply now!
Application deadline:
08.02.2026