

# 関西学院大学 研究成果報告

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関西学院 院長殿

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以下のとおり、報告いたします。

研究制度	<input checked="" type="checkbox"/> 関西学院留学 長期（滞在国：イタリア、ドイツ） <input type="checkbox"/> 関西学院留学 短期（滞在国： ） <input type="checkbox"/> 宣教師研究期間 <input type="checkbox"/> 関西学院外留学（滞在国： ）
研究課題	自動車の電気化の時代における自動車委託生産の展望 (Prospects of Contract Car Manufacturing in the Age of Electric Cars)
研究実施場所	ドイツ：ベルリン イタリア：ジェノワ、カタニア
研究期間	2024年 03月 25日 ～ 2025年 03月 24日（ 12ヶ月）

## ◆ 研究成果概要 （2,500字程度）

上記研究課題に即して実施したことを具体的に記述してください。

During my one year studying abroad I intensively worked on the two research projects as indicated above.

Below I will describe in detail where and how I pursued my studies:

A: Berlin (31.3.-3.4.2024) and Erlangen/Germany (April/May)

Immediately after I have arrived in Europe, I went to Berlin and, after the 2024 Easter holidays, I met with Prof. Martin Krzwdzinski as well as Mrs. Eileen Jahnke, the administrator of the GAP study department (GAP = (in German) Globalisierung, Arbeit und Produktion - (eng.: Globalization, Work, and Production)).

Besides organizational issues like getting a WZB mail account and office space etc., the first meeting roughly covered the following subjects:

1. Discussion of my research topics and how I could make optimal use of the WZB institutional infrastructure for pursuing my research objectives.
2. My contribution to the publication "Global Shifts in the Automobile Sector" and preparation of the presentations related to the publication at the June GERPISA international colloquium in Bordeaux.

Regarding the first point, we discussed at length both research topics. The focus was particular on the history and prospects of contract manufacturers, since it

relates to almost all aspects of the research undertaken by the GAP study group over many years, and because the WZB has one, if not the best libraries with respect to the automobile industry, as well as online access to a huge number of print media and publications specialized on industry issues.

After the visit of the WZB in Berlin, I finished my chapter in Erlangen and prepared for the study trip to Catania, which was intended to be the first long term place of residence.

The chapter was published in March 2025 (details see below):

Bungsche, Holger (2025): *From Automobile Industry to Mobility Industry? New Mobility Concepts and Policies in Japan*. IN: Krzywdzinski, Martin et al: *Global Shifts in the Automotive Sector. Markets, Firms and Technologies in the Age of Geopolitical Disruption*, Cham, Palgrave Macmillan, chapter 12, pp. 289-316.

#### B: Catania, Sicily (6. 6. - 24. 6.2024) as well as (29.6. - 2. 7. 2024)

At the beginning of June, I went to Sicily in order to meet the two professors Carmela Di Mauro and Alessandro Ancarani of Catania University to discuss and lay the foundations for the cooperation regarding the second research topic. In two lengthy meetings (11.6. and 18.6.) with the professors we agreed to concentrate and cooperate primarily on the issue of hydrogen mobility and the respective political framework provided in the EU as well as Italy and Germany with regard to my research topic "The EU's Net-Zero Climate Policy".

Due to two factors, first that it was not possible to find a long-term accommodation in Catania, and the fact that my car, which I had bought especially for my research year abroad, was stolen, I decided to move back to Germany after the GERPISA conference in Bordeaux and, while intensively pursuing the first research topic in Berlin, to reconsider my approach for my research project in Italy.

Since my car was found by the Sicilian police, I flew back from Bordeaux to Catania on the 29<sup>th</sup> of June and, after having received my car again, returned by car to Germany on the 2<sup>nd</sup> of July (arriving on the 5<sup>th</sup> of July in Erlangen again). Although I did not return to the university of Catania, the exchange of ideas and discussions with Profs. Ancarani and De Mauro provided very valuable input for pursuing my research, which I later did at the University of Genova between November 2024 and March 2025.

#### C: Bordeaux (24. 6. - 29. 6.2024)

Between the 24<sup>th</sup> and the 29<sup>th</sup> of June I took part in the 32<sup>nd</sup> GERPISA international colloquium in Bordeaux, where I presented my research paper "Mobility Society 2050: Japan's Vision for Sustainable Mobility of People, Goods, and Information." At the colloquium I also had extensive talks with other researchers, particular with Prof. Beltrametti from the University of Genova, who invited me to his university to do common research on the EU Climate policy and the hydrogen strategy of Italy. As I was, as mentioned above, reconsidering my planned research in Italy, I decided to opt for the University of Genova as the final location of my research abroad.

#### D: Berlin (22. 7. - 22.10.2024)

Between the 22<sup>nd</sup> of July and the 22<sup>nd</sup> of October, I did extensive studies at the WZB regarding the topic of contract manufacturers. On an almost daily basis, I was screening relevant sources in the library and online. In particular the formidable collection of automobile specific journals like the German "Automobilproduktion"

provided a huge pool of information resources. The same goes true for the terrific access to online publications like for instance regional newspapers and industrial journals like the Austrian “Industriemagazin” .

Besides the intensive collection of sources for my upcoming research, I had almost on a daily basis intensive conversation with experts working in the field of automobile industry, mobility or labour relations. To be mentioned are specifically Ulrich Jürgens, Andreas Knie as well as Weert Canzler.

I also took part in all regular GAP group meetings, where researchers presented their ongoing research results. Finally I also participated in the yearly retreat of the GAP group on the 2<sup>nd</sup> and 3<sup>rd</sup> of September at the Abbey Chorin in Brandenburg, where I also introduced my research projects to the GAP group.

#### E: Erlangen: (22.10. - 10.11.2024)

Before moving to the last stage of my studies abroad, the University of Genova, I spend a few days again in Erlangen, from where I arranged my accommodation and made all other necessary preparations.

#### Genova: 11. November 2024 - 10. March 2025

On invitation of Prof. Beltrametti, I spent 4 months at the University of Genova, where I mainly concentrated on the topic of the EU’ s net-zero climate policy and the restructuring of the European automobile industry.

As in Berlin I had optimal access to the library and the online information system of the Economic Department of University of Genova, where I gathered information on the development of the EU’ s environmental policy and in particular the climate protection policies of the EU that started in 1992 with the Earth summit in Rio de Janeiro until today’ s Green Deal. I screened and collected many materials (on- and off-line), in particular also with respect to the social implications (keyword: just transitions) which are central to the EU policies. As indicated above, the prospect of hydrogen mobility and its influence on the restructuring of the European automobile industry were a central aspect of my research, which I intensified in Genova, supported by Prof. Beltrametti.

In addition to that I also collected materials on the Italian automobile industry, in particular the Italian contract manufacturers Pininfarina and Bertone. I also visited the Italian Automobile Museum in Torino.

On request of Prof. Beltrametti, I held to lectures on the 19<sup>th</sup> and 26<sup>th</sup> of February, one outlining Japan’ s economic and industrial development after WW2 and one on new mobility concepts and industrial policies in Japan regarding the automobile industry.

Finally, at the end of my stay in Genova Prof. Beltrametti and I expressed our intention to continue working together in particular with respect to the development of hydrogen mobility and hydrogen economy in Europe (Germany and Italy) as well as Japan.

#### F: Erlangen: (11.03. - 26.03.2024)

After having returned from Genova, I spent the remaining time liquidating my apartment in Germany and sending my belongings (including the materials I gathered during my research in Berlin, Catania and Genova) to Japan.

#### Conclusion:

During the one-year study I was able to collect a tremendous amount of materials, which I could not have accessed from Japan. In addition to that I intensified

already existing relations with researchers and laid a stable foundation with researchers, which whom I had not worked together so far. Based on both, the collected materials and the cooperation contacts with fellow researchers in Europe, I will continue my research with regard to the above research topics in the years to come.

Schedule for publications related to my research abroad:

1. Article in the special issue of the “*International Journal of Automobile Technology and Management (IJATM)*” (Publication scheduled for Winter 2026)
2. Paper and presentation at the 33<sup>rd</sup> International Colloquium of GERPISA in Paris (June 2026)
3. Paper and presentation at the conference: *Mobility and Transport Solutions for Societal Challenges: Policies, Innovation, and Business Models* (Venice 15/16 October 2026)
4. Monography on contract manufacturing in Europe (until 2027)
5. Textbook on the European Automobile Industry (until 2028)
6. Diverse papers (and presentations) on the restructuring of the European automobile industry related to EU policies and specifically the shift to hydrogen technologies (no specific dates for publication so far)

以 上

提出期限：研究期間終了後2ヶ月以内

提出先：研究推進社会連携機構（NUC）

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