

## ANGABEN ZUM FORSCHUNGSaufenthalt IM AUSLAND / ABOUT YOUR RESEARCH STAY ABROAD

Zielland / Destination country: <b>Südkorea</b>	Ort / City: <b>Changwon</b>
Name der Gasteinrichtung / Name of the host institution: <b>National University Changwon</b>	Fakultät / Institut / Faculty / Institute: Department of Engineering
Anschrift / Address: 54ho-kwan 324ho, Changwon National University, Sarim-dong, Uichang-gu, Changwon	
Zeitraum / Length of stay: _____ = Tage / Days von / from : <b>02.10.15</b> bis / until: <b>11.11.15</b> <b>41</b> (TT/MM/JJJJ – dd/mm/yyyy) (TT/MM/JJJJ – dd/mm/yyyy)	

### Administrative Formalitäten / Administrative formalities

#### 1. Visum / Visa:

##### a) Welche Art musste beantragt werden? / Which type of visa did you have to apply for?

no Visa needed, if you are staying less than 90 days and don't earn money in Korea

##### b) Wo haben Sie das Visum beantragt? / Where did you apply for the visa?

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##### c) Wann haben Sie das Visum beantragt? / When did you apply for the visa?

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#### 2. Welche Versicherungen haben Sie abgeschlossen/abschließen müssen und von welchen Versicherungsunternehmen? / What types of insurances did you purchase and from which insurance companies?

no insurances purchased (I already have a international health insurance from the Allianz insurance company.)

#### 3. Welche Impfungen waren nötig? / Which vaccines were necessary?

Hepatitis A, Hepatitis B  
(some more needed if you are staying at the north korean border or at the country side for longer)

4. Wie haben Sie Geldangelegenheiten vor Ort abgewickelt? (z.B. über Konto vor Ort, Online-Konto, Kreditkarte usw.?) / How did you manage your finances? (e.g., opened a local bank account, online banking, credit card, etc.)

I changed some money at the airport in Korea to have some cash available. Apart from that having a credit card was really helpful. You can pay nearly everything by credit card, and it always worked in my case. For getting more cash I also used my credit card but often had to try several ATMs before one worked.

### Information & Unterstützung / Information & Support

5. Wie erhielten Sie Informationen über Ihr Gastland, die Gasteinrichtung und die Kontaktperson? Waren die Informationen nützlich? / How did you get information about your host country, host institution and contact person? Was the information useful?

<i>Informationsquelle / Information source</i>	<i>persönlicher Nutzen / useful</i>	
	ja / yes	nein / no
WWU Münster	<input checked="" type="radio"/>	<input type="radio"/>
Gasteinrichtung / Host institution	<input checked="" type="radio"/>	<input type="radio"/>
Andere StudentInnen / Other students	<input type="radio"/>	<input checked="" type="radio"/>
Internet	<input checked="" type="radio"/>	<input type="radio"/>
Sonstiges (bitte genaue Bezeichnung eingeben) / Other (please specify) <u>German Book: Fettnäpfchenführer Korea: Auch ein Affe fällt mal vom Baum (Jan-Rolf Janowski)</u>	<input checked="" type="radio"/>	<input type="radio"/>
_____		

6. Erhielten Sie vor und während Ihres Aufenthaltes angemessene Unterstützung durch Ihre Heimat- und Gast-Institution? / Did you receive adequate support from your host and home institution before and during your research stay?

	(1 = sehr schlecht/poor; 5 = sehr gut/excellent)				
	1	2	3	4	5
WWU Münster	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Gasteinrichtung / Host institution	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>

*Beschreiben Sie bitte näher. / Please describe further.*

The preparation workshop and especially the intercultural training was really helpful before the research stay.

In Korea I got a lot of help offered from my supervisor, if I need it. But actually it was easier and more convenient to ask my colleagues for most things.

I didn't need or get official support from my host institution, since everything was arranged quite informal.

7. Welche Vorbereitung auf das Zielland (bspw. Information zu Geschichte, Staatsform, Kultur, Verhalten, Religion etc.) wären hilfreich gewesen? / Which information or preparations in terms of the host country (e.g., history, language, culture, customs) would have been helpful?

Some more informations about how to communicate in this very indirect society would have been nice. I always had to be careful what to say, since everything I said was interpreted as if I want it directly.

For example if I was just saying 'I like this or that food, people were apologizing to me if we were heving something else for dinner.'

8. Welche Vorbereitungen hinsichtlich der Gastinstitution (bspw. Hochschulstrukturen, akademische Gepflogenheiten etc.) wären hilfreich gewesen? / Which information or preparations in terms of the host institution (e.g., university structure, academic customs) would have been helpful?

Nothing really.

Maybe it is worth noticing, that being a PhD student is really being a student in Korea, with having tests and lectures and everything.

They are way less independent than PhD students here.

9. Wie kann das Projekt IP@WWU Ihrer Meinung nach verbessert werden (z.B. Information, Bewerbungsverfahren)? / How could the IP@WWU project be improved (e.g., information, application procedures)?

Some of the questions for the application were differing between english and german and formulated a little bit confusing. Maybe that can be checked again and changed.

(e.g. language of the thesis: german questions is asking for the language it has to be handed in, english question in which language it will be handed in, which can be differing, if you have a choice: german or english vs. english

Or there is this one question about which countries have been visited or somebody likes to visit. If you fill out 'likes to visit' most of the columns can not be filled appropriately.)

For some questions an answer field like 'doesn't apply or didn't use it' would be helpful.

10. Wie beurteilen Sie den Integrationsgrad mit den Studierenden und Mitarbeitern der Gastinstitution? / How do you consider your degree of integration with students and staff in the host institution?

(1 = sehr schlecht/poor; 5 = sehr gut/excellent)				
1	2	3	4	5
<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>

*Beschreiben Sie bitte näher. / Please describe further.*

Everybody was very nice and welcoming, but the language barrier was huge. The students were only speaking very little english, so all the conversations were in Korean in the office and I didn't understand so much.

They were trying to have some conversation with me every day, but it took them a lot of effort and was often briefly. Except from that we did a lot of things together like having lunch together, going out a couple of times, going to a conference and hiking together.

### Unterkunft & Forschungsinfrastruktur / Accommodation & research infrastructure

11. Art der Unterbringung im Ausland / Type of accommodation abroad:

- ☒ durch die Universität (Studentenwohnheim o. Ä.) / university accommodation (e. g., student halls of residence)  
☐ private Unterkunft (z.B. mit einer Familie)/ private housing (e. g. family)  
☐ WG / shared apartment  
☒ Sonstiges (bitte genaue Bezeichnung eingeben) / other (please specify)  
last few days spend in a hotel

12. Wie haben Sie die Unterkunft gefunden? / How did you find the accommodation?

- ☐ WWU Münster  
☐ Freunde, Familie / Friends, family  
☐ Privatmarkt / Private market  
☐ Internet  
☒ Sonstiges (bitte genaue Bezeichnung eingeben) / other (please specify)  
asked my supervisor in korea for a place to stay

13. Wie zufrieden waren Sie mit Ihrer Unterkunft?  
How satisfied were you with your accommodation?

(1 = sehr unzufrieden/very dissatisfied; 5 = sehr zufrieden/very satisfied)				
1	2	3	4	5
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

*Beschreiben Sie bitte näher. / Please describe further.*

I spend the first month in the guest house of the university which was on the campus, very new and pretty cheap. I had my own bathroom and one room with the bed, desk, TV and a small kitchen. (Convenience store was directly under my room and a laundry room was at the same floor.) This was a nice way to live since I had everything there and prepare an easy dinner after the tiring work days.

One of my coworkers booked it for me.

I had to move out due to some event at the university and since I had only a few days left, I spend them in a hotel in the city, which I booked online myself.

14. Wie zufrieden waren Sie mit der Infrastruktur Ihrer Gasteinrichtung / How satisfied were you with your host institution's infrastructure:

	(1 = sehr unzufrieden/very dissatisfied; 5 = sehr zufrieden/very satisfied)				
	1	2	3	4	5
Zugang zum Arbeitsplatz (PC, Internet) / Access to working space (PC, Internet)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Zugang zu den Bibliotheken / Access to libraries	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sonstiges (bitte genaue Bezeichnung eingeben) / Other (please specify)					
convenience store at the campus	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

*Beschreiben Sie bitte näher. / Please describe further.*

I didn't need so much infrastructure since I brought my own laptop.  
Getting wifi worked perfectly on the whole campus.

I didn't need the library.

Besides the wifi, the only infrastructure I used at the university was the mensa and the convenience stores.

## Akademische Qualität / Academic quality

15. Wie beurteilen Sie die Qualität der Betreuung durch Ihren Gastgeber-Dozenten? How do you rate the quality of your host supervisor's support?

	(1 = sehr schlecht/poor; 5 = sehr gut/excellent)				
	1	2	3	4	5
Verfügbarkeit des Betreuers/der Betreuerin / Supervisor's accessibility	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Engagement des Betreuers/der Betreuerin / Supervisor's engagement	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Beratungsgespräche mit dem/der Betreuer/in / Consultations with the supervisor	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Sonstiges (bitte genaue Bezeichnung eingeben) / Other (please specify)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
_____					
_____					

*Beschreiben Sie bitte näher. / Please describe further.*

My supervisor in korea was very kind and helped me with a lot of things. Besides having a busy month he still took the time to show me his research, discuss my results with me in the end and go to lunch/dinner at the begining, once in the middle and end of my stay .

I was really happy and satisfied with the amount of supervision I got.

16. Wie beurteilen Sie die Qualität ... / How do you rate the quality of...

	(1 = sehr schlecht/poor; 5 = sehr gut/excellent)				
	1	2	3	4	5
Ihrer Forschungsaufgaben?/research activities you took?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
des an der Gasteinrichtung zur Verfügung stehenden Forschungsmaterials?/study material you obtained at your host institution?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>

*Beschreiben Sie bitte näher. / Please describe further.*

(Sorry, I don't get the meaning of the first question.)

For the second question I will comment on the tools we had in the lab: For their core research they hat all the nessary tools in average quality and sufficient quantity. For larger tools like SEM and XRD the tools were shared with other goupes, so you had to reserve some weeks before to get measurement time.

Since we have this tools in our group in germany, I brought my samples back and did the follow-up measurements here.

17. Wie unterscheiden sich Forschungsstruktur und -kultur an der Gastinstitution von denen an der WWU Münster? / How do research structure and research culture in host institution differ from those at WWU Münster?

PhD students are less independent than here and more threatened like actual students.

More expensive research tools are shared in between many groups.

The professors are way more respectfully and formally threatened than in Germany.

### Kosten / Expenses

18. Wie hoch waren die wöchentlichen Lebenshaltungskosten während Ihres Auslandsaufenthalts? / What were average weekly costs during your stay abroad?

	€
Unterkunft / accommodation	200
Lebensmittel / food	120
öffentliche Verkehrsmittel / Transportation	50
_____	
_____	
_____	
<i>Gesamtsumme per Woche / Total per week</i>	370

19. Wurden Ihre Kosten durch das Forschungsstipendium gedeckt? / Did the research stipend cover your costs?

☒ Ja / yes
 ☐ Nein, per Woche habe ich zusätzlich \_\_\_\_\_ € ausgegeben.  
 No, I spent additionally \_\_\_\_\_ € per week.

20. Lagen Ihre wöchentlichen Ausgaben im Ausland höher als in Münster? / Did you spend more abroad compared to what you normally spend in Münster per week?

☐ Nein / no
 ☒ Ja / yes, \_\_\_\_\_ 120 \_\_\_\_\_.

21. Mussten Sie irgendeine Art von Gebühren an ihrer Gastinstitution entrichten? / Did you have to pay any kind of fees in the host institution?

☒ Nein / no
 ☐ Ja / yes, \_\_\_\_\_ € für / for \_\_\_\_\_

(bitte genaue Bezeichnung eingeben / please specify)

## Persönliche Erfahrungen / Your personal experience

22. Welche spezifischen Ziele hatte Ihr Forschungsaufenthalt? Haben Sie sie erreicht? / Which specific objectives did you have for your research stay? Did you achieve them?

Ziele / Aims:	(1 = überhaupt nicht erreicht/not at all; 5 = voll erreicht/fully)				
	1	2	3	4	5
cycle a LFP- solid state electrolyte cell	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
learn how pressed powder cells work	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
get impressions of an asian lab culture	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
XRD measurements on the cells	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
cycle anode materials with pressed powder electrolytes	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>

23. Wie würden Sie Ihren Forschungsaufenthalt insgesamt einschätzen? / How would you evaluate your research stay in general?

I'm very pleased with my research stay since I got a really good impression about the life in a korean lab.  
 Some of my measurements were not working with their set-up but the most important ones worked and gave me a new insight in the behaviour of my materials which would not have been possible with the equipment I have at my own lab.

It gave my research a new direction in which I will continue from now on.  
 Because of that it is a full success for me.

24. Bitte beschreiben Sie Ihre beste Erfahrung / Please describe your best experience.

It's actually a bundle of the same experiences I had there: People are very friendly and will always try to help you. I was walked to a bus station several times by pupils or old women. When I was standing somewhere looking at a map for a minute somebody asked me if he or she could help me.  
 Two bus drivers drove me to my goal after their regular goal, since I took the wrong bus... and so on.  
 Whatever happens, you will find somebody who is helping you in Korea.

25. Bitte beschreiben Sie Ihre schlechteste Erfahrung / Please describe your worst experience.

I had some serious problems with the Jetlag when I arrived there. I was feeling dizzy and sick for the first 2 days and was waking up at 3 in the night panicked that I didn't hear my alarm in the morning.  
 It got better after two days.



26. Halten Sie die Dauer Ihres Forschungsaufenthaltes für / Do you consider your research stay to have been ...

- ☐ zu kurz / too short  
☐ zu lang / too long  
☒ genau richtig / just right

*Falls zu kurz oder zu lang, welche Dauer hätten Sie sich gewünscht? / If too short or too long: which length would have been ideal?*

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*Beschreiben Sie bitte näher. / Please describe further.*

I got my measurements of some of the samples i brought with me done. This was already more than I expected since the different materials there and mine were harmonizing and I got some quite useful results. Having 6 weeks was a good thing since I was planning my measurement scedule more relaxed than in my own lab since I always had to wait for somebody to do the measurements with me and some free time at the devices.

For some of the follow up measurements I brought my samples back, because waiting times for some of the tools was more than the 6 weeks I stayed.

Overall since I had some main goals and then a lot of additional samples as 'bonus' goals in case there would be more time, I could adjust very well to the time I had.

Overall I think the 6 weeks were still nessesary, because there were some times where I could not measure due to waiting times at the machines. The time in between that was still very useful for me to think about the results I got and do some unplanned follow up measurement directly after my main measurement.

27. Welche Tipps können Sie den nachfolgenden Promovierenden zu dieser Gasteinrichtung, dieser Stadt, diesem Land etc. geben (Geheimtipps, lohnenswerte Aktivitäten, wichtige Ratschläge)? / Could you please give other PhD students some tips about your host institution, city or country (insider info, useful activities, valuable advice)?

Take your time to explore the country. It is really beautiful and a unique experience. All the big cities are easy and very cheap to reach by Express Busses, so it's not a problem to go somewhere just as a weekend trip.

Koreans are very insecure when it comes to speaking english. So to keep the conversation going, I found it helpful to reasure them from time to time, that I'm understanding, what they are telling me. It made them way more relaxed.

Be prepared to have a lot of people who want to help you, but don't speak english. Pointing at certains points of maps, having printed adresses or screen shots helps a lot.

The adress system in Korea is a nightmare even for taxi drivers there. Always have a picture of a map where your goal is and/or the telephone number of somebody there prepared.

Try to find some other foreigners at the University or in the city. It helps to hear about some things their from people with the same cultural background.