

JAPANESE-GERMAN CENTER BERLIN [JDZB]
in cooperation with
FEDERAL MINISTRY OF EDUCATION AND RESEARCH

PROGRAM

for the Junior Experts Exchange Program in Germany 2023

June 10-18, 2023

Focus: green hydrogen technologies

Saturday, June 10

morning arrival in Germany
afternoon **sightseeing program Bonn**
Ferry Bonn - Königswinter
Ride with an old cog railway to the summit of Drachenfels
Time to walk around
Early Dinner at Beer garden Drachenfels
Return to Hotel by cog railway and public transport
Hotel [Gustav-Stresemann-Institut e.V.](#)

Sunday, June 11 (Bonn / Cologne)

Sightseeing program Cologne
Public transport to Brühl
[Castle Augustsburg](#) in Brühl (guided tour appr. 1h)
Public transport to Cologne
Lunch at [Bierhaus am Rhein](#)
Visit of **Cologne Cathedral** (incl. climbing tower)
17:00 **Concert** with a capella music of the Renaissance
with [Josquin Capella](#)
Address: Church [St. Ursula](#), Ursulaplatz 24, 50668 Köln
appr. 19:00 *Transfer back to Bonn main station*
appr. 20:00 **Dinner** at [Bönnsch](#)
with Prof. Hayashi (Director, JSPS Bonn Office) and others
Hotel [Gustav-Stresemann-Institut e.V.](#)

Monday, June 12 (Bonn/Essen/Aachen)

- 09:30 **Introduction to the German Science System
at the Federal Ministry for Education and Research (BMBF)**
- 12:30 **Lunch** on invitation of BMBF at Gustav-Stresemann-Institut e.V.
- appr. 14:00 *Transfer to Essen by chartered bus*
- 16:00 **University of Duisburg-Essen**
Address: Campus Essen, Building S05, Universitätsstraße 2, 45141 Essen
Meeting with Prof. Dr. [Kai Exner](#) (Theoretical Anorganic Chemistry)
and his work group
- 18:00 *Transfer to Aachen by chartered bus*
- appr. 20:15 **Dinner** at [Karls Wirtshaus](#)
- Hotel** [Hotel am Marschiertor](#)

Tuesday, June 13 (Aachen)

- 08:25 Meeting Hotel Lobby
- 9:00-12:00 [Fraunhofer Institute for Production Technology - IPT](#)

Focus areas of the Fraunhofer IPT are high volume production research for Fuel Cells and Electrolyzers as well as Fiber Composite Pressure Tanks.
Guided tour through workshop as well as networking with researchers will be provided. Highlights are multiple Presses as well as Roll-to-Roll machinery and a Tape winding robot.
- Lunch** at [LuCa](#)
- 13:30-14:45 [RWTH University Aachen, Center for Sustainable Hydrogen](#)
- 13:30 Overview lecture on the Center for Sustainable Hydrogen Systems und Center for mobile Propulsion
- 14:00 Tour of the Center for Mobile Propulsion with presentation of the latest technologies
- 14:45 *Transfer to hotel by taxi to pick-up luggage, and further to main station*

Transfer to Stuttgart by train
- appr. 20:00 **Dinner** at [Beergarden Schlossgarten](#)
together with Ms. Vanessa Tietze (Fichtner) & colleagues
- Hotel** [Novum Hotel Boulevard](#)

Wednesday, June 14 (Stuttgart)

Extra program Dr. Uesugi

- 08:00 – 09:00 **Institute of Engineering Thermodynamics – DLR**
[Electrochemical Energy Technology](#)
Meeting with Dr. Rémi Costa

Group program

08:45	Hotel check-out and meeting Hotel Lobby
09:00	<i>Transfer by public transport</i>
09:30	<u>Fraunhofer Institute for Manufacturing Engineering and Automation - IPA</u>
09:30	Reception at the gate (Nicolas Mandry)
09:45	Fraunhofer IPA at a glance (Nicolas Mandry)
10:15	Automated handling of electrolyzer components (Nicolas Mandry)
10:35	Milestones in robotics (Huu Tuan Nguyen)
11:00	Automated battery disassembly (Sabri Baazouzi)
11:30	Battery testing (Johannes Wanner)
12:15	Lunch at Cantine Fraunhofer IPA together with Mr. Mandry <i>Transfer by public transport</i>
14:15 (-16:00)	<u>Fichtner Hydrogen</u> <ul style="list-style-type: none"> • Company and department introduction (Matthias Schlegel) • One of the first commercial PEM electrolysis projects - what are our lessons learned? (Dr. Richard Faber) • Scaling up - challenges and particularities of 100 MW+ projects (Matthias Schlegel) • Hydrogen transport - How is the supply chain developing in Europe? (Timo Haasch)
17:23	Departure Stuttgart main station Dinner at the train restaurant
21:39	Arrival Halle main station
Hotel	<u>Ibis Styles</u> Halle

Thursday, June 15 (Halle/Leuna/Leipzig)

08:30	<i>Transfer to Leuna</i>
9:30-12:00	Fraunhofer Institute for Wind Energy Systems – IWES <u>Hydrogen Lab Leuna</u>
12:00	Lunch at cantine of Fraunhofer <i>Transfer to Leipzig</i>
15:30	L-Gruppe Heizkraftwerk Süd (Leipzig)
appr. 17:30	<i>Transfer by public transfer back to Halle</i>
19:00	Dinner at Miso Ramen
Hotel	<u>Ibis Styles</u> Halle

Friday, June 16 (Leipzig/Berlin)*Transfer to Leipzig by chartered bus*

09:00 – 11:00

BMW AG (Werk Leipzig)fuel-flexible burner for a paint dryer, burner can burn hydrogen (H₂) and the natural gas methane (CH₄)

approx. 12:00

Lunch at BMW AG

13:00

Transfer by chartered bus to Berlin

14:30

Arrival at Hotel [Hotel Steglitz International](#) Berlin

15:50

Transfer with public transport

16:30

Fritz Haber Institute of the Max-Planck Society

16:30

Jelena Tomovic (press officer FHI):
History of FHI and relations to Japan/RIKEN

16:40

[Sebastian Oener](#) (group leader): ISC introduction and Labtour

17:15

[Christopher Kley](#) (group leader): Labtour

18:00

End and walk to the Japanese-German Center Berlin

18:00

Networking Salon

with scientists from Berlin and more...

at the Japanese-German Center Berlin

Address: Saargemünder Str. 2, 14195 Berlin

Hotel[Hotel Steglitz International](#)**Saturday, June 17** (Berlin)

11:00

Transfer by public transport

12:00

late breakfast / light lunch Bavarian Style at

[Zollpackhof](#)

13:00 – 16:00

Tourist program in Berlinwith [Masato Nakamura](#) as tour guideincl. main attractions like Reichstag ([parliament buildings](#)), [Brandenburger Tor](#), [Holocaust Memorial](#), Führerbunker, [Potsdamer Platz](#), [Berlin Wall Memorial](#) and [Hackescher Markt](#)

evening

free time

Hotel[Hotel Steglitz International](#)

Sunday, June 18

10:15 *Transfer to airport by taxi*
13:15 Flight back to Tokyo via Helsinki

Monday, June 19 (Japan)

early afternoon Arrival at **Haneda** Airport

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