

# ANNOUNCEMENT AND CALL FOR APPLICATIONS

On behalf of the German Academic Exchange Service (DAAD), Technische Universität Bergakademie Freiberg organizes an

## **International Germany Alumni Seminar 2020 PV Technologies and Projects – Innovations in Developed and Developing Countries**

**9 - 16 June 2020 in Freiberg, Germany**

Followed by the participation in the trade fair **The Smarter E Europe** with the following four exhibitions

**Intersolar Europe  
ees Europe  
Power2Drive Europe  
EM-Power**

**17 - 20 June 2020 in Munich, Germany**

### Seminar aims

In contrast to Germany's "Energiewende", energy systems in many developing countries are (still) characterized by a heavy dependency on fossil fuel (with the exception of large hydro), insufficient generation capacity and grid connections, frequent power cuts, expensive back-up systems, monopoly structures and lack of private investors. Given these problems, however, governments in many of these countries change their energy policies with the aims of (i) promoting renewable energy technologies, (ii) creating (competitive) energy markets (iii) and motivating entrepreneurship and investors. As a result, in many developing countries, renewable energy technologies are considered as challenging and innovative for the provision of electricity.

The seminar will give an opportunity to participants to learn about

- (i) Recent research on PV technologies, both at laboratory and pilot plant levels, current developments in Germany's "Energiewende": Policy and legal developments, current status of the renewable energy industry, position of renewable energy in the energy markets, players in renewable industry, future outlook
- (ii) Selected innovations in PV technologies and PV applications: (i) small-sized "plug-in" PV plants for self-consumption, (ii) smart batteries with less chemical stress, (iii) Agro-Photovoltaics for the dual use of arable land, (iv) large-scale PV applications in mining, (v) new business models for decentralized off-grid PV applications
- (iii) Networking with representatives from government, (Energy Agencies), industry associations (Chamber of Commerce) and business firms (manufacturers and project developers) dealing with PV technologies and applications

- (iv) visits of laboratories, pilot plants, companies and projects with personal communication
- (v) Interacting with other participants and their work and projects

The seminar is organized as a preparation to the visit to the trade fair **The Smarter E Europe** in Munich. This is the most important innovation hub for new energy solutions, dedicating itself to all topics relevant for the industry, offering visitors a comprehensive overview of trends, technologies and innovative concepts for the new energy world. It brings together four exhibitions:

- Intersolar Europe – The world's leading exhibition for the solar industry
- ees Europe – Europe's largest and most international exhibition for batteries a. energy storage systems
- Power2Drive Europe – The international exhibition for charging infrastructure and e-mobility
- EM-Power – The exhibition for intelligent energy use in industry and buildings

The seminar and trade fair visit are sponsored by the German Academic Exchange Service (DAAD) with funds from the German Federal Ministry for Economic Cooperation and Development (BMZ). The seminar is organized and hosted by the Faculty of Geosciences, Geoengineering and Mining, and the Chair of Environment and Recourses Management at Technische Universität Bergakademie Freiberg.

## Tentative Program

The seminar program in Freiberg will include:

- Lectures on recent research about PV technologies
- Presentations of their posters by the participating alumni
- Networking with representatives of government, industry associations and business firms dealing with PV technologies and applications
- A workshop on entrepreneurship
- Excursions to laboratories, pilot plants, manufacturing companies and PV installations

The final program in Freiberg will be published once all applications have been reviewed.

It is necessary to participate in the whole programme: seminar, trade fair and social programme.

## Eligibility criteria for participation

This seminar targets alumni of German universities

- from countries listed on the DAC list of the developing countries,
- who carried out research or studied in Germany for at least 3 months and
- who are currently living and working in their home countries.

Eligibility for repeated attendances at Alumni Special Projects:

Participations in Alumni Special Projects are limited to a maximum of 2 participations within 4 years. The year of participation, not the year of application, is decisive for the calculation.

You are required to show

- (1) a **proven background in academic fields relevant to the topics** of (applied) physics, semi-conductor technologies, silicon and related materials for PV applications, electrical and electronic engineering, PV project investment and management
- (2) **not only a personal interest but also professional experience in PV technologies and PV projects**: it is a clearly stated aim of the seminar to bring together practitioners in the PV field
- (3) a **short description of your proposed poster showing your personal involvement and experiences with PV technologies and PV applications**. This is an important prerequisite for being invited as a participant
- (4) the **requirement to act as a potential multiplier** who will present the seminar results in your home country and thus disseminate the acquired knowledge as well as develop ideas and projects for regional implementation
- (5) **adequate language proficiency** which is essential to actively participate in the workshops and discussions as the seminar will be held **in English**

### Cost coverage

- International return ticket from and to an airport in Germany (lowest possible economy class airfare)
- Train tickets (2nd class): Airport to Freiberg – preferably Rail & Fly
- Transport for excursions
- Accommodation and meals during the seminar stay in Freiberg
- Travel health insurance (max. 30 Euro) and visa costs
- Transport from Freiberg to Munich
- Transport from the hotel in Munich to the airport of departure
- Entrance fees at The Smarter E Europe event
- Accommodation and partial living expenses during The Smarter E Europe in Munich

**Please note:** You have to cover by yourself any other costs, such as transport costs between your place of residence and “your” airport, and travel costs for visa application in your country of residence. Please, keep in mind that living expenses are only covered partly during your stay in Munich.

**Extensions of stays** after The Smarter E Europe in Munich are only possible up to **5 working days and upon submission of a comparison of flight ticket prices before you start your travel**. You will have to pay any difference between the flight ticket prices for the planned date of return travel (see below) and your actual date of travel after your extension. You must also cover by yourself any additional travel costs, subsistence costs and other additional costs of your extension.

Extensions beyond 5 days must be of an official nature which you need to justify, e.g. through visits to universities, organizations, institutions, companies etc. and with details about contact persons and a day-to-day programme of activities. These extensions must be approved by DAAD before you start your travel. Decisions by DAAD are made on an individual nature based upon your justification, your programme etc.

For any extension you need to organize your accommodation by yourself, and, very importantly, you have to make sure to have a valid health insurance for the extension days.

#### Travel dates:

**9 June 2020:** Arrival in Freiberg

**10 - 15 June 2020:** Seminar in Freiberg

**16 June 2020:** Travel from Freiberg to Munich  
**17 - 19 June 2020:** Participation in the trade fair The Smarter E Europe in Munich  
**20 June 2020:** Departure from Munich

**It is essential that you participate from the first day of the seminar in Freiberg to the last day of the trade fair The Smarter E Europe in Munich.**

## Application procedure

Your application (in English language) should emphasize your motivation and personal/professional benefit for your participation. You should illustrate how you plan to integrate the knowledge and experiences obtained at the seminar in Freiberg and the Munich event into your professional work and how you will involve stakeholders in your co-operation activities.

We only accept **online applications** to be sent **online or to the contact e-mail addresses shown below, only in case you have difficulties with the online uploading.**

**The deadline for submission is 22 January 2020.** We cannot accept any exceptions and delays.

Submit your application on the application website <https://tu-freiberg.de/fakult6/umwelt-und-ressourcenmanagement/international-germany-alumni-seminar-2020/application-form-0> containing

- (i) **the online application form,**
- (ii) **a short CV with photograph,**
- (iii) **relevant documentation of your alumni status,**  
**and, most importantly,**
- (iv) **a description of the content of your proposed poster.**

Please, do not include letters of recommendation.

In case you have difficulties with the online submission, please send the [Application Form](#) in a single PDF document via e-mail. Your PDF-document should be named 'Last name\_First name\_country' (e.g. Bongaerts\_JanClemens\_Germany).

**Please note: Completeness of personal data mentioned in the online application form will affect your eligibility as a participant.**

After a review by the local organizing committee and DAAD, invited participants will be notified at the **end of February 2020** at the latest.

You will have to confirm the acceptance of your invitation by a given deadline date mentioned in the confirmation letter.

**For further questions and for submission of your application,** please use the following e-mail addresses:

Prof. Dr. Jan C. Bongaerts ([j-c.bongaerts@ioez.tu-freiberg.de](mailto:j-c.bongaerts@ioez.tu-freiberg.de))  
Dr. Jiangxue Liu ([Jiangxue.Liu@bwl.tu-freiberg.de](mailto:Jiangxue.Liu@bwl.tu-freiberg.de))

Freiberg, December 2019