
ANNOUNCEMENT AND CALL FOR APPLICATION

On behalf of the German Academic Exchange Service (DAAD)

Technische Hochschule Köln (University of Applied Sciences) is organizing the

International Alumni Seminar 2020

Cologne Training Seminar in Renewable Energies –

On the Road to The Smarter E Europe 2020 in Munich

8 - 16 June 2020 in Cologne, Germany

followed by the participation in

The Smarter E Europe 2020

The Smarter E Europe 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.

16 - 20 June 2020 in Munich, Germany

DAAD

Deutscher Akademischer Austauschdienst
German Academic Exchange Service

With financial support from the



Federal Ministry
for Economic Cooperation
and Development

ITT

Institute for Technology and
Resources Management in
the Tropics and Subtropics

**Technology
Arts Sciences
TH Köln**

Seminar Aims

Improving access to modern forms of energy for the poorest sections of the population is of paramount relevance to achieving the United Nations Sustainable Development Goals (SDGs). In particular, SDG 7, SDG 5 and SDG 3 deal thematically with sustainable energy supply. Despite significant progress in global electrification in recent years, over a billion people still have no access to electricity. There is an urgent need for a sustainable economy that guarantees the basic standard of living and development potential of the people in these countries.

Among the global population without access to the electricity, majority of them living today in the countries in Sub Saharan Africa and South Asia. As well known, the countries in the region are gifted with the huge potential of solar energy. Despite the technological development and drastic cost reduction in the solar PV sector, the PV sector did not grow that much over the past years in global arena. Lack of appropriate larger storage plants/plans for grid integration as well as the lack of appropriate market policy make this problem complex. Among other, these are the issues we will discuss during the summer school and trade fair visit.

The overall objective of this training seminar is to provide skills for planning sustainable energy supply and implementing technologies (with a focus on solar technologies). On the background of urgent needs for a transformation of the energy sector globally, capacity building in the field of renewable energies is highly required. This seminar will provide the alumni with insights about technologies, which are important to the future energy supply of their country and furthermore will equip them with contacts to German institutions and companies for future development or research projects.

The seminar consists of field excursions (e.g. to renewable energy industries, research institutions and service companies in Germany), laboratory visits and input lectures by experts from and beyond TH Köln. The participants will be actively involved in discussions of the contents of this summer school.

The proposed activities are aiming to:

- Demonstrate solution examples and new technologies in Germany applicable to their home countries context
- Expand the alumni network to the current students, especially to international, Germany-based companies in the energy sector, in specific in solar energy
- Discuss and work out potential research topics during the seminar and explore future possibilities in project funding

The seminar and trade fair visit are funded by the German Academic Exchange Service (DAAD) by funds from the German Federal Ministry for Economic Cooperation and Development (BMZ). The seminar is organized and hosted by the Institute for Technology and Resources Management in the Tropics and Subtropics (ITT) at the Technische Hochschule Köln.

The Smarter E Europe in Munich 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, including Intersolar Europe – The world's leading exhibition for the solar industry.

Tentative Program

The seminar program in Cologne will include:

- Sessions and workshops in recent developments in renewable energy, energy modelling, waste to energy, energy efficiency and energy economics.
- Presentations from the participating alumni
- Group work activities and professional networking opportunities with scientists and the private sector
- Excursions and cultural events

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

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

Eligibility criteria for participation

This seminar targets Alumni of German universities

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

You should have

- (1) a **proven background in academic fields relevant to the topics** of renewable energies, sustainable development, environmental impacts of energy systems or in the themes related to the water-energy-food nexus.
- (2) **professional experience and personal interest in one of the following areas:** research, education, NGOs, government agencies, policy making, project development, local communities, and related stakeholders in the field of renewable energies.
- (3) the **requirements 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
- (4) **adequate language proficiency** which is essential to actively participate in the workshops and discussions as the seminar will be held **in English**

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.

Cost coverage

- International return ticket from and to airport in Germany (lowest possible economy class airfare) and transportation from the airport to Cologne (preferably Rail & Fly) up to 850 Euro
- Accommodation and meals in Cologne during the seminar
- Travel health insurance (max. 30 Euro) and visa costs
- Transport on excursions
- Transport from Cologne to Munich
- Accommodation and partial living expenses during the stay in Munich
- Entrance fees at The Smarter E Europe 2020
- Transport from the hotel in Munich to the departure airport

Please note: All other costs, such as transport costs from participants' home town to their home airport or travel costs for visa application in the home country have to be borne by the participants. Please keep in mind that living expenses are only covered partly during your stay in Munich.

Travel dates:

8 June 2020: Arrival at the venue in Cologne

9 - 15 June 2020: Alumni seminar in Cologne

16 June 2020: Travel from Cologne to Munich

17 - 19 June 2020: Participation in the trade fair The Smarter E Europe in Munich

20 June 2020: Departure from Munich

Extensions of stays after The Smarter E Europe in Munich are only possible up to 5 working days and upon submission of a price comparison of the flight. Higher travel costs than the travel costs granted by the university must be borne by the participant himself.

Extensions beyond 5 days must be of an official nature, justified by the participant and documented with a program and details of contact persons at universities, organizations, institutions, companies etc. These extensions are individual decisions of the DAAD on the basis of the submitted reasons of the participant and his planned visit program.

Additional travel costs, subsistence costs and other additional costs in connection with the extension of the stay must be borne by the participant. Please keep in mind to organise accommodation for the extension period by yourself and to have a valid health insurance for these extra days.

Application procedure

Your application (in English language) should emphasize your motivation and personal/professional benefit for your participation. You should illustrate how you are planning to imply the gained knowledge and what possible stakeholders for collaboration you may identify for your professional career.

In order to register you have to submit the following documents:

- a) a filled application form (<https://th-koeln.sciebo.de/s/w8jQTIvgSheYkX6>)
 - b) a letter of motivation (2 pages) comprising the following information
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- Why do you want to attend the alumni seminar?
 - What do you expect to learn during the alumni seminar and the conference?
 - What topics related to the seminar are of special interest to you?
 - How are you planning to imply the results of our discussions into your present and upcoming projects?
 - What stakeholders are you planning to work with in the future?
 - How will you personally and professionally benefit from the participation?
- c) a Short CV (e.g. EuroPass)
- d) relevant documentation of your alumni status (no template)

The PDF-document should be named '**Last name_First name_country**' (e.g. Trappe_Joern_Germany).

Please send all documents compiled to a **single PDF** to alumniseminar-intersolar@th-koeln.de

Please submit your application documents latest by 22 January 2020.

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

After the review by the local organizing committee and DAAD, the invited participants will be notified in mid-February.

For further questions, please contact Prof. Ramchandra Bhandari or Jörn Trappe (alumniseminar-intersolar@th-koeln.de).

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