



Call for Application

On behalf of the German Academic Exchange Service (DAAD) the Georg-August-University of Göttingen is organizing the

International DAAD Alumni Seminar

“Steigerung der Ernährungssicherung durch Precision Agriculture - food security increase by precision agriculture”

November 6th - 13th, 2017

in Göttingen, Germany

followed by a

visit to the world's leading trade fair for agricultural machinery AGRITECHNICA 2017

November 14th - 18th, 2017

in Hannover, Germany

The seminar and trade fair visit is offered by the German Academic Exchange Service (DAAD) in the framework of the program Alumni Special Projects (www.daad.de/alumni-special-projects). The international DAAD Alumni Seminar is organized and hosted by the Department of Crop Sciences of the Faculty of Agricultural Sciences of the University of Goettingen (www.agrartechnik.uni-goettingen.de), Division of Agricultural Engineering (Prof. Dr.-Ing. Frank Beneke), Division of Quality of Plant Products (Prof. Dr. Elke Pawelzik) and the Institute of Sugarbeet Research (IfZ) Goettingen (PD Dr. Anne-Katrin Mahlein). The costs will be mainly covered by funds from the DAAD provided by the German Federal Ministry for Economic Cooperation and Development (BMZ).

The seminar targets Germany Alumni from developing countries (DAC country nationals) who studied, carried out research or worked in Germany for at least 3 months and are presently living and working in their home countries. The Alumni should be professionally involved in the agricultural sector and/or with agricultural technology in the framework of rural or urban, public or private sector development, and/or are working for academic, educational or development organizations, NGO's, donor agencies or private enterprises. The prospective participants should be potential multipliers in a position to spread the acquired knowledge and experience and/or take decisions on implementation. The Alumni should have experience in precision agriculture, sensor systems in agriculture or precise seed and cultivation in general e.g. by actual or former own research or publishing in this topic.

The main objective of the seminar is to promote exchange between the participants in the field of agricultural engineering, facilitate international scientific cooperation and qualify the participants in the field of smart and adapted agricultural technology, development and equipment. The seminar will foster exchange of experiences, establishment of international networks between the participants, scientific discourse on

technology development and design of equipment, and international academic cooperation in this field. It will stimulate and promote ideas for joint research, strategy development and knowledge transfer.

The seminar is scheduled in the run-up to the AGRITECHNICA 2017 in Hannover (www.agritechnica.com/en/), the world largest trade fair for agricultural machinery and equipment. The guiding theme of AGRITECHNICA 2017 is "Smart Technology – Green Future". Forward-looking technologies and development trends that enable sustainable increases in agricultural productivity will be presented to the visiting professional. In 2015 AGRITECHNICA attracted 2,892 exhibitors from 52 countries and 452,471 trade visitors from 115 countries.

The Topics

The main topics covered during the DAAD Alumni Seminar are:

- Actual state, relevance and chances of precision agriculture technologies and influence on food security
- Agricultural technology and engineering adapted to local conditions in the participants' home countries
- Systems and system relationships in plant production from technological point of view, evaluation of options for use of smart technologies in agricultural process chains
- Quality assurance by precision agriculture
- Workshops and seminars on topics such as precision agricultural technology, sensor systems and management of agricultural value chains
- Demonstration of sensor systems, GPS-systems, unmanned aerial vehicles and applications
- Technological aspects of quality management along agricultural value chains
- Demonstration of the lean management across the entire value creation chain for sugar from seed to sugar cube

Participants' Profile

Eligible for participation are Alumni who meet the following requirements:

- **Alumni from developing countries** (DAC country nationals) who have stayed **in Germany for at least three months** for study or research purposes.
- **A proven working background** in the field of agricultural engineering and technology or similar disciplines.
- To act as **potential multipliers**, e.g. people who are in a position to spread the acquired knowledge and experience.
- **Adequate language proficiency** which is essential to actively participate in the workshops and discussions as the seminar will be held **in English**.
- Women are particularly encouraged to apply.

Tentative Program

The seminar in Göttingen will include:

- Papers and case studies presented by the participants (Alumni) and invited experts
- Group work and group discussions
- Lectures, seminars and practical workshops
- Excursions to the university's extension farm, a sugar refinery and a typical farm near Hannover
- Demonstrations at the Department of Agricultural Engineering in Göttingen

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

Cost Coverage

The project covers the following costs:

- Subsidy for international return ticket (economy) to Frankfurt/Hannover and from Frankfurt/Hannover. As well as transport from Frankfurt/Hannover airport to Göttingen (by train) and from Hannover to Frankfurt airport (by train) - up to **800 EUR** (train and flight).
Higher costs have to be borne by participants.
- Transport from Göttingen to AGRITECHNICA 2017 in Hannover (by train).
- Transport from the Hotel in Hannover to Frankfurt/Hannover airport.
- Entrance fees and transport to the visited projects during the excursions.
- Entrance fees at the Trade Fair in Hannover.
- Accommodation and living expenses during the stay in Göttingen and Hannover.
- Travel health insurance (maximum 30 EUR) and visa costs (maximum 30 EUR) for the stay in Germany.

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 Göttingen as well as in Hannover.

Application Requirements and Process

If you are interested, please send your application latest by **13th of June 2017** via email to:
agrartechnik2017@uni-goettingen.de

The application (in English language) must include the following documents in **one single pdf file**:

- A **letter of application**, stating your motivation for participation and your special interest in the topic.
- A **short CV with passport size photograph: The Form is available on www.agrartechnik.uni-goettingen.de**
- An **abstract based on the participant's own involvement in the field of agricultural engineering** with reference to his/her **home country** on the **subject** of "Use and Implementation of Smart and Adapted Technologies in Agriculture for Food Security" (the main topics are listed above; abstracts must not exceed one page; please use font type "Arial", font size 11, 1.5 line spacing).
- A **short description of your present duties/position and your personal professional goals**, indicating your envisaged field of activities and duty level.
- An **overview** on seminars, workshops or conferences visited in Germany after finishing your studies in Germany.

The PDF-document has to be named 'Last name_First name_country' (e.g. Schweigel_Martin_Germany).

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

With your application you agree that your data (name, organization, email) is given to selected company representatives and that you might appear on pictures which will be published on the DAAD website after the event.

With your application you commit yourself to participate in the whole program (expert seminar, trade fair visit and social program).

The program of the visit of the trade fair AGRITECHNICA 2017 is prepared by the DAAD.

All applicants will be informed about the results of the selection process in July 2017.

Travel Dates

The date of **arrival in Germany** will be **November 6th, 2017**
(arrival at Frankfurt International Airport, FRA).

The date of **departure from Germany** will be **November 19th, 2017**
(departure from Hannover/Frankfurt).

For any further questions please contact the organizational team:

Martin Schweigel, M.Eng.
Prof. Dr.-Ing. Frank Beneke
Division of Agricultural Engineering

Phone: +49 (0)551 / 39-25539

Email: agrartechnik2017@uni-goettingen.de

Web: www.agrartechnik.uni-goettingen.de

DAAD

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and Development