Fachhochschule Köln
University of Applied Sciences Cologne

ITT

Institute for Technology in the Tropics and Subtropics

Institut für Tropentechnologie • FH Köln • Betzdorfer Str. 2 • D 50679 Köln

Betzdorfer Str. 2

D 50679 Köln

Telefon 49-221 – 8275 – 2774

Telefax 49-221 – 8275 – 2736

e-mail: itt@fh-koeln.de

www.tt.fh-koeln.de

International DAAD-Alumni Summer School

"Transboundary Water Management"

1. Background

The German Academic Exchange Service (DAAD) provides financial support to organize three International Alumni Summer Schools at German universities in 2009 (Transboundary Water Management, Water and Energy – Integrated Management of Resources, and System Solutions to Integrated Water Resource Management). The DAAD-Alumni Summer School "Transboundary Water Management" will be held at Cologne University of Applied Sciences, Institute for Technolgy in the Tropics (ITT) from March 22th to 28th, 2009 and in Berlin from March 29th to April 4th where a special program is organized by DAAD for all three summer schools in cooperation with the German Association for Water, Wastewater and Waste (DWA) and the Federal Association of Companies in the Gas and Water Industries (figawa). A visit to the international trade fair "Wasser Berlin" (Water and Wastewater) is part of the program. Therefore the Summer School is scheduled for two weeks (22th March day of arrival, 4th April day of departure).

2. Topics

The main topics covered in the Summer School in Cologne are tools and approaches for the assessment of international river basins and the relevance for integrated land and water resources management including transboundary cooperation and conflict resolution.

Papers of participants and invited guests, as well as group discussions shall cover the following specific topics:

- Case Studies on transboundary River Basins worldwide;
- Water User conflicts between upper and lower riparian parties and means to analyse and overcome them;
- Examples of institutional set-ups for integrated, transboundary water management
- support of international organisations offered to solve transboundary conflicts

3. Program

The program consists of four major elements:

I) Oral presentations, posters and case study contributions presented by the participants

II) Presentations of the following institutions and projects with relevance to transboundary water management:

IHP/HWRP National Committee
Director Dr. Johannes Cullmann

UN Water – DPC (Decade Programme on Capacity Development)
Director Dr. Reza Ardakanian

UNESCO PC-CP (Potential Conflict to Cooperation Potential)
Director Ms Lena Salame

BMU: German Ministry of the Environment
German Water Director Dr. Fritz Holzwarth,

"GLOWA-Jordan" research project
Coordinator Mr. Ulrich Nicklas, University Tübingen

"BRAHMATWINN" research project
Coordinator Prof. Dr. Wolfgang Flügel, University Jena

GTZ, Transboundary Water Management in Africa
Mr. Winfried Zarges, GTZ, Eschborn

IKSR/ICPR (International Commission for the Protection of the Rhine)
Vice Director Dr. Anne Schulte Wülwer Leidig

ICPDR (International Commission for the Protection of the Danube River)
Director Dr. Philip Weller

IUCN (International Union for the Conservation of Nature)
Director of the Environmental Law Center, Bonn Dr. Alejandro Iza

III) Team work on four selected river basins throughout the first week of the program. The participants will be supplied with data on the assessment of river basins, will analyse conflicts, approaches and instruments for conflict resolution and ooprtunities for sharing benefits in transboundary river basins. The case studies are the river basins of:

- Mekong
- Danube
- Nile
- Brahmaputra

IV) Field Trips – in the first week there will be an excursion to Koblenz and the International Commission for the Protection of the Rhine (ICPDR) combined with a boat trip on the Rhine stretch which is a UNESCO World Heritage Site.

The program for the 2nd part, which was prepared by the DAAD, is available on the webpage under

http://www.daad.de/entwicklung/hochschulen/alumnisonderprojekte/09287.de.html

4. Cost Coverage:

Following travel costs will be covered by the DAAD:

- The transport from Frankfurt Airport to Cologne
- For the flights we are going to subsidise the costs for an economy-class return ticket with a maximum of

  → EUR 800 for Sub-Sahara - Africa

  → EUR 950 for Latin America

  → EUR 580 for Middle East and Northern Africa

  → EUR 950 for Asia

  → EUR 400 for Eastern Europe
- The transport from Cologne to Berlin
- The transport from the Hotel in Berlin to Berlin Airport
- The hotel costs, catering, health insurance and visa costs

As we expect a certain contribution from all participants, we ask you to cover the transport costs from your home town to your home airport and any additional costs which are above mentioned amounts of travel subsidies.

5. Participants

The participants of the International Summer School should fulfil the following criteria:

- All participants need to be Alumni of a German university or capacity building institution with nationality from a developing country

In addition the participants should belong to one of the following groups

- Working in the field of water management, land management or any other field of relevance to transboundary water management. Working experience in an international or transboundary context is preferable but not obligatory. or
- Researchers who are involved in water or land management issues, or
- "Multipliers", e.g. people who are in a position to spread the acquired knowledge and experience (lecturers, trainers, public relations officers etc).

All Alumni interested in participation are requested to send us an abstract for their contribution which may be an oral presentation, poster presentation or a contribution to case studies on transboundary river basin management. Regarding the latter contributions to the four case studies covered in the group work are especially welcome (Mekong/Red River, Brahmaputra/Ganges, Nile, Danube). In any case the abstract should not exceed 400 Words.

6. Application

Are you interested? The application sent as e-mail attachment has to include:

- A short C.V. providing information on personal data, studies at home and in Germany, professional development
- A portrait photo
- A short description of your present duties / position and your personal professional goals, indicating your envisaged field of activities and duty level
- An overview of seminars, workshops or conferences visited in Germany after finishing your studies in Germany
- A declaration of consent (or disagreement), that we forward your personal data to internationally operating German enterprises

The summer school will be held in **English**, while some parts of the program in the second week also contain elements in German. Therefore solid knowledge in English is a must and German proficiency is desirable.

Deadline for application is the **30th November 2008**.

For further questions please contact: alexandra.nauditt@fh-koeln.de

We will be happy to receiving you in Cologne and Berlin!

with kind regards

Prof. Dr. Hartmut Gaese
Executive Director of the ITT

TECHNISCHE UNIVERSITÄT
ILMENAU

Fakultät für Informatik und
Automatisierung

Fachgebiet Simulation und
optimale Prozesse

International DAAD-Alumni Summer school „System Solutions to Integrated Water Resource Management"

One of the three international summer schools, supported by the DAAD (German Academic Exchange Service), in connection with the Exhibition "Wasser Berlin 2009", will be organized by our Ilmenau University of Technology. The Summer school "System Solutions to Integrated Water Resource Management" is scheduled from 23rd to 28th of March, 2009 in Ilmenau. For more information about the university and the city Ilmenau please look at http://www.tu-ilmenau.de/uni/Kontakt.54.0.html). For your arrival in Ilmenau the 22nd of March is planned. The day of departure from Ilmenau to Berlin is Sunday 29th of March; the day of departure from Berlin is 4th of April.

To join in this summer school, you have the oportunity to gain advanced knowledge about the management of integrated water resources with systematic methods by one-week lectures, tutorials and discussions in Ilmenau, followed by a second week to visit the well-known fair on Water and Wastewater in Berlin, which is guided by DAAD.

The language is normally German, but in respective to the participants, English can be preferred, too.

Part 1: Summer school at Ilmenau University of Technology (23rd March to 28th March 2009)

Participants, invited guests and our University staff together will discuss the most recent development of system solutions for the management of water and waste water systems.

The following topics will be covered:

- Drinking water supply and sustainability - a trans-boundary challenge
  - Water and cilmate change
  - Situation analysis in paticipants countries
  - Decision support systems as a tool, also for political decisions
- Decision support in water systems
  - Modelling, simulation and optimization as tools for decision support
  - Software tools for the management of drinking water networks
  - Water quality and water price in trans-boundary dimension
  - Simulation of surface and groundwater reservoirs
- Application in Water systems
  - Management of municipal and regional water networks

Aquifer management for water supply
Quality driven drinking water supply

Excursions to practical water management systems (a local reservoir and a waste water treatment plant) will be arranged. Participants will be asked to contribute their own experiences by presenting a topic or heading a round table discussion, respectively.

Participants should be:

- Alumni of a German University from a developing country
- Working in the area of decision support systems, sustainable development, water and waste water management, economic sector
- People with contacts to German enterprises or interested in contacts, Multipliers who are in a position to distribute acquired knowledge and/or experiences, decision makers in water authorities or respective levels

How to Apply:

- Please send a one-page cover letter, use "Arial" font type with a font size 12
- A short C.V. giving information on your personal data, studies in Germany and at home, personal development, a portrait photo in digital or printed form
- A short description of your present duties, your position, indicate your field of activities and duty level
- An overview of visited conferences, workshops and seminars after your study in German

Deadline for application: 30th November 2008

Please send your application and questions to: horst.puta@tu-ilmenau.de

Part 2: Visit International Fair and Congress "Wasser Berlin 2009" (30th March to 4th April 2009)

Your stay at Berlin will be organized by DAAD from Sunday, 29th March (day of arrival at Berlin) up to Saturday, 4th April (day of departure from Berlin). Contacts to German Enterprises, Conference participation and meetings with exhibitors and multipliers will be organised, respectively. Please see also:
http://www.daad.de/entwicklung/hochschulen/alumnisonderprojekte/08113.de.html?anzeige=2009

Cost coverage

Supported by DAAD the following costs will be covered by the organisation team at the Ilmenau University of Technology:
For flights we subsidise the costs for an economy-class return ticket with a maximum of

- EUR 800 for Africa
- EUR 950 for Latin America
- EUR 950 for Asia
- EUR 400 for Eastern Europe

We cover accommodation in Ilmenau, health insurance and the Transport from Ilmenau to Berlin.

Univ.-Prof. Dr.-Ing. Pu Li

UNIVERSITÄT SIEGEN

University of Siegen
Research Institute
for Water and Environment

Dipl.-Ing. Ingrid Althoff

UNIVERSITÄT SIEGEN • Dipl.-Ing. Ingrid Althoff • D-57068 Siegen

Paul-Bonatz-Straße 9-11
57068 Siegen
Germany
Telefon +49 271 740 - 3178
Telefax +49 271 740 - 2921
ingrid.althoff@uni-siegen.de
www.wasserwirtschaft.uni-siegen.de

Siegen, 24th September 2008

International DAAD-Alumni Summer School "Water and Energy – Integrated Management of Resources"

The German Academic Exchange Service (DAAD) provides financial means to organize three International DAAD Alumni Summer Schools at German Universities in 2009. The DAAD-Alumni Summer School "Water and Energy", will be held in Siegen (Germany), from 22nd to 28th March, 2009. Subsequent to the Summer School in Siegen the participants of all three summer schools will travel to Berlin on 29th March, where a special program is organized by DAAD in co-operation with the German Association for Water, Wastewater and Waste (DWA) and the Federal Association of Companies in the Gas and Water Industries (figawa). A visit to the international trade fair "Wasser Berlin" (on Water and Wastewater) is part of the program. The entire Summer School is scheduled from 22nd March to 4th April (22nd March day of arrival, 4th April day of departure).

The Topics:

The main topic of the Summer School in Siegen is "Water and Energy". Papers of participants and invited guests, as well as group discussion shall cover the following subtopics:

- Integrated management of resources
- Water quality management
  - Ecological water quality (EU Water Framework Directive)
  - Capture, analysis, assessment of biological, chemical and physical quality components and representation of the results (surface water and groundwater)
  - Surface and groundwater monitoring (methods/techniques)
  - Management plan and program of measures
  - Training programs in water sector
  - Development of a database for surface and groundwater
- Geothermal energy as one option for renewable energies
  - Geological background

- Classification of geothermal energy
- Geo-hydraulic
- Ecological and economical aspects of geothermal energy
- Geothermal energy world-wide (example from Germany and Yemen)
- Drilling engineering and heat pumps

The Program:

The program will include:

- Papers and case studies presented by the participants (Alumni) and invited extern experts
- Group work and group discussions
- Excursion

You may find a tentative program for the 1st part of the Summer School in Siegen on the webpage under www.gawn.de => news => 2009. The program for the 2nd part, which was prepared by the DAAD, is available on the webpage under www.daad.de/entwicklung/studierende_und_alumni/alumnisonderprojekte/08119.de.html or under www.alumniportal-deutschland.org/services/kalender/jahresansicht.html.

Cost Coverage:

Following costs will be covered by the project

→ For international flight to Frankfurt and from Berlin return we are going to subsidies the costs with a maximum of
  - EUR 800 from Africa
  - EUR 950 from Latin America
  - EUR 580 from Arabic Area
  - EUR 950 from Asia
  - EUR 400 from Eastern Europe

→ Transport from Frankfurt Airport to Siegen

→ Transport from Siegen to Berlin

→ Transport from the Hotel in Berlin to Berlin Airport

→ Accommodation and living costs during the stay in Siegen, health insurance and visa costs; Accommodation and living costs in Berlin will be covered by DAAD directly.

As we expect own contribution from all participants, transport costs from your home town to your home airport must be covered by other means.

Participants:

The participants of the International Summer School should be

→ Alumni of German University from a developing country,

→ Working in the field of water management and in the field of renewable energies (including environmental management, wastewater management, agriculture, economy, energy sector), preferably with contacts to German enterprises or interested in those contacts,

→ "Multipliers", e.g. people who are in a position to spread the acquired knowledge and experience and/or

→ Decision makers, able to take decisions in the water and energy sector

All Alumni interested in giving a presentation during the summer school are requested to send abstracts. The main topics are given above. Abstract should not exceed one page; please use font type "Arial", font size 11, 1.2 line spacing.

Application:

Are you interested? The application shall include:

→ A short C.V. of yours, giving information on personal data, studies at home and in Germany, professional development

→ A portrait photo in digital or printed form

→ A short description of your present duties / position and your personal professional goals, indicating your envisaged field of activities and duty level

→ An overview of seminars, workshops or conferences visited in Germany after finishing your studies in Germany

→ A declaration of consent, that we forward your personal data to internationally operating German enterprises

The summer school will be held in German and English, sufficient knowledge in both languages is required to participate in the summer school, enabling you to follow the presentations and discussion rounds.

Deadline for application is the **30th November 2008.**

For further questions please contact ingrid.althoff@uni-siegen.de.

Siegen, 24th September 2008

Prof. Dr.-Ing. Gerd Förch