

Call for Application

Sustainable Water Management (NaWaM): Funding for Serial Summer Schools in Germany

Title: System solutions to integrated water and energy resources management

By financial support of the German Academic Exchange Service (DAAD) Fraunhofer Application Center Ilmenau, Ilmenau University of Technology and German Water Partnership/ Country section Central Asia obtained the opportunity to organize an International Serial Summer School in years 2012, 2013 and 2014 in Germany.

The following time table is planned in 2012:

Arrival in Ilmenau: 16th September

Serial Summer School in Ilmenau: 17th September to 29th September

Departure from Ilmenau: 30th September

To join in 1st serial summer school, you have the opportunity to gain advanced knowledge about the integrated management of water-energy systems with systematic methods by one-week lectures, tutorials and working in project groups, followed by several visits of water reservoirs including generation systems of electrical power, drinking water production, treatment and supply systems and waste water treatment plants.

The language will be English.

Participants from Kazakhstan, Mongolia, Jordan, Iran, Vietnam and Indonesia, who are working, studying and researching in sector of water and energy management (surface and ground water, generation of energy by hydro power, drinking water supply, waste water, monitoring) are called to apply for our Serial Summer School program.

Serial Summer school at Fraunhofer IOSB-AST and Ilmenau University of Technology (17th - 29th of September 2012)

Participants, invited guests and our staffs will work together with you on most recent development of system solutions for the management of water-energy systems. You are also invited to contribute by your activities in water sector.

The following topics will be covered:

- Integrated water resources management (goal, solutions, practical realization)
- Drinking water production from surface and ground water sources (software tool TOS)
- Ensuring of drinking water quality
Analysis and decision support tools in Germany and abroad
- Drinking water supply (Leak detection, pump scheduling, tanks, software tool HydroDyn)
- Model based integrated management of rivers and canals
Modeling, simulation and optimization as tools for decision support
Software tools for simulation and the management of rivers including retaining dam weirs
- Management of waste water systems (software tool POS)
Management of municipal waste water systems including the sewage network
Pilot plants in IWRM-MoMo Project
- Data and Information Monitoring of the online processes
- Visiting the German Water Partnership in Berlin

Four excursions to practical water-energy systems (a local reservoir, a hydro power pumping station, drinking water treatment plant and wastewater treatment plant) will be arranged. Participants will be asked to contribute their own experiences by presenting their paper or heading a project group discussion, respectively.

Participants should be:

- Master students, PhD-students, scientific coworkers at universities, research institutes
- Working in sector of water and energy management, water authorities, the area of decision support systems, sustainable development, water-energy, management
- 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 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 and full contact data, 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
- Short introduction (one page) of your activities in water sector

Deadline for application: 15th June 2012.

Please send your application and questions to: buren.scharaw@iosb-ast.fraunhofer.de

Fraunhofer Application Center Systems Engineering

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Please see also:

<http://www.daad.de/hochschulen/ausschreibungen/18927.de.html>.

www.iosb-ast.fraunhofer.de

Cost coverage

Supported by DAAD the following costs will be covered by the organization team at the Fraunhofer AST Ilmenau and Ilmenau University of Technology.

- Living and accommodation costs,

For the journey from home to Ilmenau and from Berlin to home we can subsidize the costs (economy-class return ticket) with a maximum of

- Indonesia 825,- €
- Iran 550,- €
- Jordan 700,- €
- Kazakhstan 525,- €
- Mongolia 625,- €
- Vietnam 1150,- €

Thank you and best regards,

Dr. Buren Scharaw