

4. Georgian-German School and Workshop in Basic Science 2010: Follow Up

May, 2010 / Tbilisi, Georgia

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- Status Quo
- Looking Ahead: Three Scenarions
- BMBF-Message
- Jülich PhD-Programme



Status Qou – Partner Duos

MoU between Jülich-GSU-GTU on

- Hadron Physics (Institute of Nuclear Research-HEPI-GSU-GTU)
- Design and Engineering (Central Technology Division GTU)
- Material Science (Institute of Energy Research GTU)
- Simulation of atmospheric chemistry (Institute of Chemistry and Dynamics of the Geosphere TSU)
- Condenced matter physics and Material Science (Institute of Solid State Research TSU)



Looking ahead: Scenario I

Institutional level – 3 steps scheme:

- start-up exchange (Jülich)
 - Visits in Jülich up to 3 months
- WTZ-Project (Scientific-Technical Cooperation / BMBF)
 - 12 -18 months
 - travelling in both directions
 - Workshops
- Joint application by national-, international prorgramme ("project money")



Looking ahead: Scenario II

Binational level:

- Back to discussion in September 2010 / DFG GNSF
- Initiation of German-Georgian Programme on Basic Research
 - Exchange
 - Fellowships
 - Projects

bmbf – Georgian Ministry of Science and Education ??



Looking ahead: Scenario II / Example

Helmholtz-CSC Fellowship Program for PhD and postdocs

Donators:

- Helmholtz Association, Helmholtz Centre
- CSC China Scholarship Council

Funding:

- 1. Year 100 % CSC (internship + travelling)
- Rest of time 50/50 Helmholtz Centre and Helmholtz Association

Format:

- PhD in Germany (36 months + thesis defence)
- Sandwich PhD (6-24 months in Germany, thesis defence in China)

Postdoc (6-24 months in Germany)



Looking ahead: Scenario III

Project idea – GGVIBS

Georgian-German Virtual Institute for the Basics Science

- Open Framework for Cooperation JÜLICH-GEORGIA
- Joint promotion of the idea on the both sides
- Implementation by the bmbf-call for developing countries ??

- Searching for finance togerther (mix-funding-structure??)



BMBF-Message

- Is interested in intensification of co-operation especially based on the joint calls
 - Current Highlight: Twinning Project for Implementation of Bologna-Process
- Ongoing calls:
 - May, 2010: Partnerships for Sustainable Research Solutions in Developing Countries and Countries in Transition
 - June, 2010: Support of scientific-technical cooperation and project-start-up in the Region Central Asia and South Caucasus

Counterpart in Georgia ??



International Helmholtz Research School on Biophysics and Soft Matter (IHRS)



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- Colloid and Polymer Physics
- Dynamics of Macromolecules
- Supramolecular and Amphiphilic Self-Assembly
- Flow Dynamics and Microfluidics
- Single-Molecule Detection and Manipulation
- Optical Spectroscopy and Imaging
- Cell Biophysics
- Structural Biology
- Cellular Signaling Pathways
- Receptor-Ligand Interactions
- Artificial and Biological Membranes



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- next proceeding of applications:
 - May, 20, 2010
 - June, 24, 2010

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German Research School for Simulation Sciences



- Joint foundation of Forschungszentrums Jülich
 & RWTH Aachen (JARA-SIM); budget 6M € annually
- Dedicated to advanced research and training in applications and methods of computer simulation in science and engineering
- Master students & PhD students (Master and Doctorate in Simulation Sciences)
- Admission: Students from all countries and disciplines.
- Start of Master programme:
 - Master- each winter semester
 - PhD any time

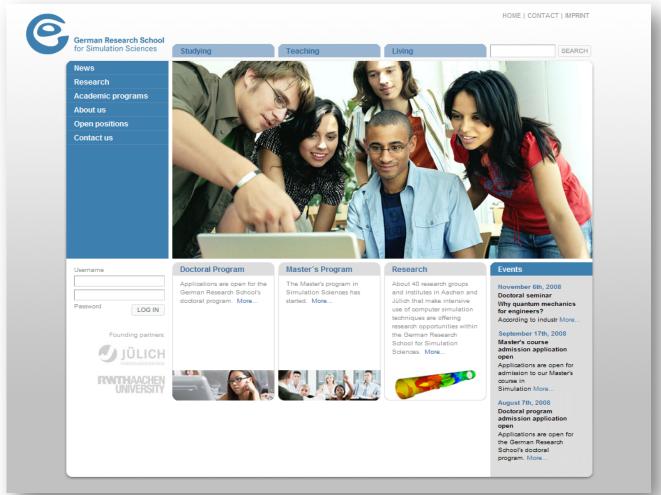
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More information at www.grs-sim.de





Jülich seen through the eyes of International PhD Students



- modern laboratory is available at all times
- ■Reasonable fellowship is given (1,400 €)
- English speaking professors and students
- materials and devices can be procured at short notice (workshop support)
- German language courses are free of charge
- seminars are held on a routine basis
- administrative support by the centre's Foreign Advisory Office
- you can start your PhD-project any time of the year





FINDING TOMORROW TODAY