

BACKGROUND AND SCOPE

GGSB – 8TH GGSWBS, TBILISI, GEORGIA

AUGUST 20-25, 2018 | HANS STRÖHER

BACKGROUND



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(Merab Berdzenishvili)

8TH GEORGIAN – GERMAN SCHOOL AND WORKSHOP
IN BASIC SCIENCE (GGSWBS '18)

**SCIENCE AT MULTIDISCIPLINARY
SMART | LABS IN GEORGIA**

August 20 – 25, 2018 • Tbilisi, Georgia



**SCIENCE BRIDGE –
CONNECTING PEOPLE AND KNOWLEDGE**

A Model for Scientific and Technological Cooperation

Member of the Helmholtz Association



BACKGROUND

GGSB has 3 pillars of success:

- **Joint Research**
 - Collaborations, teams, person-to-person
- **Educational Training**
 - Workshops, schools, practices
 - Exchanges (students, academics)
 - Internships
- **Knowledge Transfer**
 - SMART|Labs

HISTORY – ACHIEVEMENTS

Educational Training

Within the framework of our GGSB, we were able to perform:

workshops **8**
3 in area of **hadron physics**
5 in **basic science** held in Tbilisi

science academies **6**
3 Autumn Lectures:
2 held in Tbilisi, 1 held in Jülich
(QUALI-Start-Up Science Lectures)
2 lecture course in engineering and analytics
1 seasonal lecture in the area of climate research

Internships **38**

including: **20** at IKP,
6 INM-4, **1** INM-5, **2** ZEA-1,
2 ZEA-2, **4** IEK-8, **3** JCNS

Bachelor theses **8**

Master theses **15**

PhDs **14**

accomplished and ongoing
includes:
6 IKP, **3** INM-4, **2** IEK-8, **3** JCNS

HISTORY – 7TH WORKSHOP



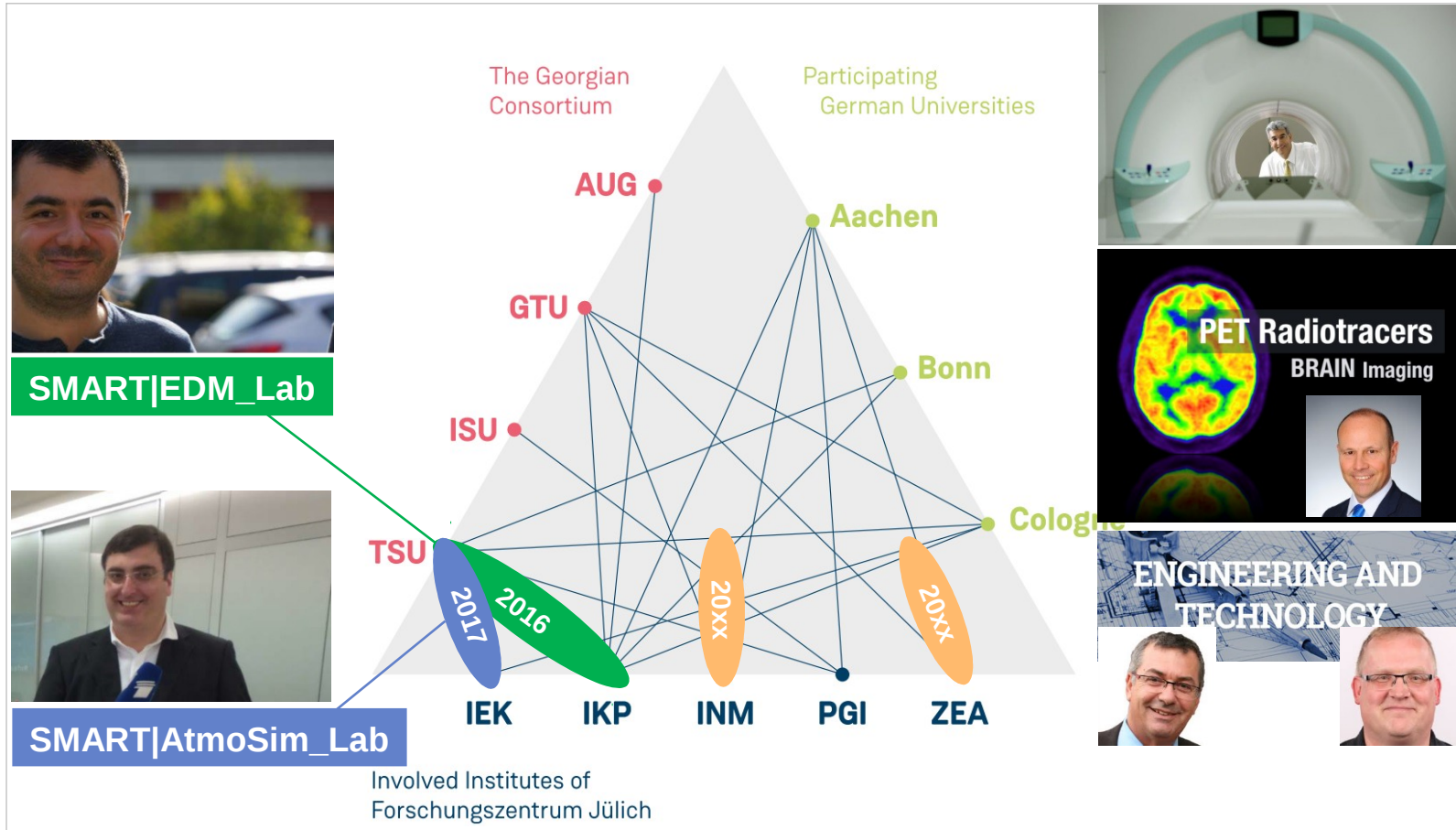
7th Workshop, Tbilisi, August/September 2016

HISTORY – AUTUMN LECTURES



QUALI-Start-up Lectures, Jülich, September 2017

STATUS – GGSB NETWORK



OUTLOOK – GGSB FUTURE



New opportunity (JuLAB) SMART|Science meets Research_Lab

8TH WORKSHOP – PROGRAM



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GGSB-Workshop 2018

- 3 plenary sessions
- 9 parallel sessions
- Agricultural University
- 4 student sessions

Excursion to Khaketi

8TH WORKSHOP – PROGRAM



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GGSB-Workshop 2018

- Stimulating talks
- Novel/deeper insight
- Interesting discussions
- New cooperations

Enjoy meeting & Georgia



გმადლობთ



THE IFF SPRING SCHOOL & SCATTERING METHODS IN JÜLICH

The annual IFF Spring School has a long-standing tradition dating back to 1969 when the *Institut für Festkörperforschung* (IFF) was founded. Since then, the Schools have made it possible for students and young researchers to gain a two-week insight into current topics related to condensed matter research. Since the restructuring in 2011, research in the area of electronic systems and information technology became part of the *Peter Grünberg Institute* (PGI) named after IFF's Nobel Prize winner (Physics in 2007). Biophysics and soft matter research has found a home in the *Institute of Complex Systems* (ICS). Two method-oriented institutes which emerged from the IFF are the *Institute for Advanced Simulation* (IAS), which focuses on applying high-performance computing and the *Jülich Centre for Neutron Science* (JCNS), which is dedicated to the operation of neutron scattering instruments and the application of advanced scattering methods to topical problems in condensed matter science.

2019 marks a special anniversary of the IFF Spring School: for 50 years we will have introduced some 250 students each year to a topical research area in condensed matter science. This anniversary will be celebrated with a special surprise event. It coincides with some anniversaries of groundbreaking scientific discoveries, such as "birthday" of research on magnetism with neutrons. The 50th Spring School 2019 is organized jointly by ICS-1/JCNS-1 for neutron scattering and soft matter and PGI-4/JCNS-2 for quantum materials and collective phenomena. The *Jülich Centre for Neutron Science* develops and operates leading edge instruments at some of the world's best neutron facilities such as the *Heinz-Maier-Leibnitz Zentrum* MLZ in Garching, Germany, the *Institut Laue-Langevin* in Grenoble, France, the *Spallation Neutron Source* SNS in Oak Ridge, USA, or the *European Spallation Source* ESS in Lund, Sweden. JCNS provides these instruments to users from academia and industry through a peer review proposal process. JCNS also undertakes research on functional materials for the energy revolution, and a new *Institute for Neutron Analytics for Energy Research* is being founded.

The IFF Spring School is organized in close collaboration with universities, research institutions, and industry. The school offers about 50 hours of lectures plus discussions as well as the opportunity to visit the participating institutes at the *Forschungszentrum Jülich*. All lectures will be given in English. Each registered participant will be given a copy of the lecture notes in form of a hardcover book, which contains all the material presented during the school.

HOW TO FIND US:



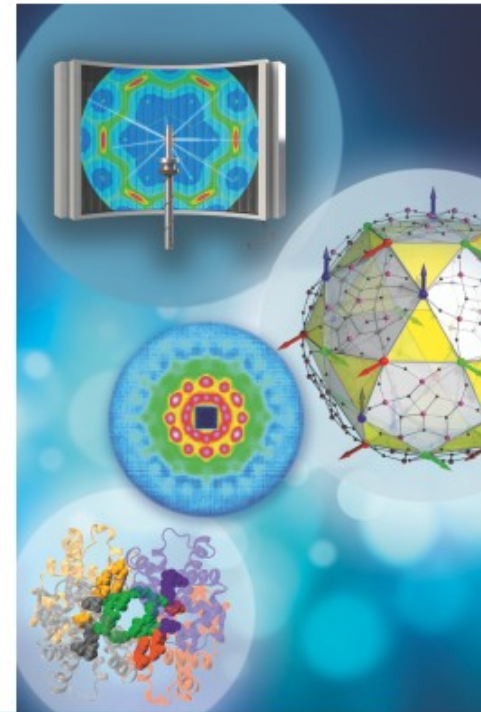
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REGISTRATION AND FURTHER INFORMATION:

www.iff-springschool.de



50th IFF Spring School 2019

SCATTERING! SOFT FUNCTIONAL AND QUANTUM MATERIALS

11th March – 22nd March 2019 • Jülich • Germany

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