

08:28 Public bus N° 220, depart from bus stop „Walramplatz“

08:54 Exit at bus stop Forschungszentrum „Heizwerk“

VENUE: BUILDING 02.5, ROOM 310

09:00 Simulation and Calculations; *Jörg Wolters*

09:45 X-Ray Micro Focus CT; *Fred Pauly*

10:30 R Thermography; *Harald Glückler*

11:15 **Break**

11:30 SiPM Based Detectors; *Daniel Durini*

12:15 SoC - Highly Integrated Solutions for Science; *Carsten Degenhardt*

13:00 **Lunch at Seecasino**

VENUE: BUILDING 07.1, ROOM 312

14:00 Wrap-up by Students: (20 minutes each group)

1. IKP-Students, 2. IEK-Students, 3. JCNS-Students, 4. INM-Students,
5. ZEA-Students

15:40 Outlook & Certificates; *Andro Kacharava*

16:00 Farewell Party (open end)

LAB TRAINING—OVERVIEW

		11.09.2017	12.09.2017	14.09.2017
IKP	Students	Supervisor	Supervisor	Supervisor
14:00 - 17:30 Blg. 07.1	Natia Porchkhidze	Keshelashvili	Kacharava, Gegelia	Engels, Nass
	Revaz Beradze			
	Tornike Guliasvili			
	Guga Khundzakishvili			
IEK	Students	Supervisor	Supervisor	Supervisor
14:00 - 17:30 Blg. 05.2	Sopio Kiknavelidze	Rohrer/Klemp/Wegener	Mentel	Gensch
	Tamar Maisuradze			
	Mariam Maisuradze			
	Lia Bezhitashvili			
	Mari Jananashvili	Janelidze	Janelidze	Janelidze
JCNS	Students	Supervisor	Supervisor	Supervisor
14:00 - 17:30 Blg. 04.8	Lado Jibuti	Sarkar	Petracic	Angst
	Aleksandre Mujirishvili			
INM	Students	Supervisor	Supervisor	Supervisor
14:00 - 17:30 Blg. 15.14 (INM-4) Blg. 15.19 (INM-5)	Mikheil Kitaevich (INM-4)	Caldeira	Choi	Iordanishvili
	Davit Sebuia (INM-4)			
	Tamar Khatiasvili (INM-5)	Krapf	Humpert	Zischler
	Eka Jalagonia (INM-5)			
	Mari-Luiza Konjaria (INM-5)			
	Ana Kurdadze (INM-5)			
	Romina Gvazava (INM-5)	Schlösser, Rongen, Zimmermann	Schlösser, Rongen, Zimmermann	Glückler, Pauly
	Dimitri Goderdzishvili			
ZEA	Students	Supervisor	Supervisor	Supervisor
14:00 - 17:30 Blg. 02.5	Davit Kordzaia	Schlösser, Rongen, Zimmermann	Schlösser, Rongen, Zimmermann	Glückler, Pauly
	Aleksandre Kalandadze			
	Ana Sikharulidze			
	Dimitri Goderdzishvili			

1st QUALI-START-UP SCIENCE LECTURES

11—15 SEPTEMBER 2017

FORSCHUNGSZENTRUM JÜLICH



PROGRAMME

NUCLEAR PHYSICS INSTITUTE

IKP LECTURES

11 SEPTEMBER 2017

- 08:00 FZ Jülich bus collects students at Walramplatz (close to the Stadthotel)
08:30 Arrival of students; get visitor badges (please don't forget your passports !)
VENUE: BUILDING 07.1, ROOM 312
09:00 Campus bus tour, guide: *Mathis Ernst*
10:00 Opening Session; *Hans Ströher*
10:15 Welcome; *Sebastian Schmidt, Member of the Board of Directors*
10:45 Structure of Matter; *Hans Ströher*
11:25 **Break**
11:40 Basics: Interaction with Matter/Radiation; *Detlev Gotta*
12:20 Detectors (Tools); *Irakli Keshelashvili*
13:00 **Lunch at Seecasino**
14:00 Lab Training: see overview
17:30 End

INSTITUTE OF ENERGY AND CLIMATE RESEARCH

IEK LECTURES

12 SEPTEMBER 2017

- 08:28 Public bus N° 220, depart from bus stop „Walramplatz“
08:57 Exit at bus stop Forschungszentrum „Strahlenschutz“
VENUE: BUILDING 05.2, ROOM 3012
09:00 Introduction: Atmospheric Chemistry and Climate; *Andreas Wahner, Astrid Kiendler-Scharr*
09:45 Aerosol: Formation and Sources, Aging and Sinks; *Thomas Mentel*
10:30 Stable Isotopes as tools in Process Studies; *Julia Gensch*
11:15 **Break**
11:30 Photochemistry and Radical Chemistry; *Andreas Hofzumahaus*
12:15 Longterm Measurements of Key Climate Variables on Passenger Aircraft - IAGOS; *Andreas Petzold*
13:00 **Lunch at Seecasino**
14:00 Lab Training: see overview
17:30 End

JÜLICH CENTRE FOR NEUTRON SCIENCE

JCNS LECTURES

13 SEPTEMBER 2017

- 08:28 Public bus N° 220, depart from bus stop „Walramplatz“
08:56 Exit at bus stop Forschungszentrum „Wache 1“
VENUE: BUILDING 04.8, ROOM 337/338
09:00 Probing Matter with Scattering Methods: An Elementary Introduction; *Manuel Angst*
09:45 Magnetic Properties of Condensed Matter Systems Probed by Magnetometry Methods; *Oleg Petravic*
10:30 **Break**
10:45 Neutron Sources for Science; *Jörg Voigt*
11:30 X-ray and Neutron Scattering from Nanostructures; *Emmanuel Kentzinger*
12:15 **Lunch at Seecasino**
13:00 Departure to Aachen, bus stop "Seecasino"
14:00 Institute visit at RWTH Aachen University, Institute of Physics, 26c 205; *Achim Stahl*
17:30 Opportunities at RWTH Aachen University; *Dieter Janssen*
18:00 Aachen City Tour
20:00 Departure to Jülich

INSTITUTE OF NEUROSCIENCE AND MEDICINE

INM LECTURES

14 SEPTEMBER 2017

- 08:28 Public bus N° 220, depart from bus stop „Walramplatz“
08:53 Exit at bus stop Forschungszentrum „Feuerwehr“
VENUE: 09:00-11:15 BUILDING 15.14, ROOM 102
09:00 Introduction to Magnetic Resonance Imaging; *N. Jon Shah*
09:45 Advanced MRI Methods: Diffusometry; *Farida Grinberg*
10:30 MR-PET: Everything You Need to Know to Get Started; *Liliana Caldeira*
11:15 **Break**
VENUE: BUILDING 15.19, ROOM 4012
11:30 Introduction to Nuclear Chemistry; *Bernd Neumaier*
12:15 18F-labeling Chemistry; *Johannes Erment*
13:00 **Lunch at Seecasino**
14:00 Lab training: see overview
17:30 End