

WELCOME TO RIGA

This year, the Science Confederation IuK organises an International Summer School at the Riga Technical University under the aegis of the German Embassy in Riga. The German Academic Exchange Service funds the Summer School the tenth year.

The International Summer School offers special courses to support the internationalisation of education and the cooperation among the universities of the Baltic Sea Region.

Volha Baban, Alumni from Belarus  
„Summer school gave me unforgettable and useful experience, opened new horizons and helped to make new friend abroad. Moreover, the lectures were fantastic, I enjoyed every second.“

AIMS:

- Preparation for international Master and PhD programmes in Germany
- Further specialisation in computer science and information technology
- Learning in a stimulating environment

CONTENT:

- Courses in technical informatics and information technology
- Introduction into academic writing and advanced research topics
- Attendance at Baltic Young PhD Conference
- Tutorials and practical work
- Language training for academic talk and presentation
- Excursions and social events

SPECIAL EVENT  
→ 28<sup>th</sup> to 29<sup>th</sup> July 2014  
BALTIC YOUNG PHD CONFERENCE

CONTACT

GERMANY:

University of Rostock  
Department of Computer Science

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<http://basoti.uni-rostock.de>

LATVIA:

Riga Technical University  
Faculty of Computer Science and Information Technology  
1/4 Meza Street | Riga, LV-1048

Local Director: Janis Grundspenkis

Project Mangement: Laura Kalnina  
International Relations Department  
1 Kalku Street, Room 312 | Riga LV-1658, Latvia  
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ORGANISER:

Science Confederation IuK, Rostock  
Coordinator: Dr. Christine Bräuning  
Scientific Director: Prof. Dr. Clemens Cap









Funded by the German Academic Exchange Service by means of the German Federal Ministry of Education and Research

21.07.-04.08.14  
10<sup>th</sup> International Summer School in Riga!

DAAD Deutscher Akademischer Austausch Dienst  
German Academic Exchange Service



10 YEARS

BALTIC  
SUMMER  
SCHOOL  
Technical Informatics &  
Information Technology

ORIENTATION :

1 Welcome Meeting: Swedbank building, 1A Balasta dambis

2 Lectures, tutorials and workshops: 1/4 Meza iela

3 Conference and alumni meeting: 1 Kalku iela

4 Accommodation: Residence „Kipsala“, 22 Azenes iela

✈ from Riga Airport with bus No. 22 to the city

🚆 Train Station Riga Pasazieru

🗺 Riga International Coach Terminal



LOCATION :  
Riga Technical University  
Faculty of Computer Science and Information Technology  
1/4 Meza Street  
Riga, LV-1048  
Latvia

DEADLINE FOR CONFERENCE PAPERS:  
30<sup>th</sup> June 2014

AVAILABILITY OF LECTURE MATERIALS:  
16<sup>th</sup> June 2014

INFORMATION TO SUCCESSFUL APPLICANTS:  
1<sup>st</sup> June 2014

DEADLINE FOR APPLICATION:  
1<sup>st</sup> June 2014

→ <http://basoti.uni-rostock.de>

and use online registration at website:

- (optional) Letter of Recommendation
- Language Certificate for German and/or English
- Certificate of Examinations or Academic Transcript
- Short Curriculum Vitae
- Letter of Intent

Prepare the following documents:

APPLICATION PROCEDURE:

- Good knowledge of German and/or English language
- A completed Bachelor's Degree in informatics, computer science or electrical engineering or similar subject
- A completed Bachelor's Degree in informatics, computer science

REQUIREMENTS:

Students and professionals in the field of informatics, computer science or electrical engineering

TARGET GROUP:

APPLICATION

INFORMATION

DURATION AND CERTIFICATE:

The Summer School lasts 16 days and contains six special modules with corresponding tutorials, one module „Academic Presentation“ (German or English) plus individual research and studies for the module „Academic Writing“ with a total amount of 8 credits. Credits are allocated, based on student's workload (ECTS-system).

The Summer School ends with a final exam. On successful completion of the courses, a certificate, which confirms the ECTS-credits earned as well as the grade, is awarded. The certificate is signed by all lecturers and includes a detailed description of the content and number of the courses attended.

DAY	21.07.	22.07.	23.07.	24.07.	25.07.	26.07.	27.07.	28.07.	29.07.	30.07.	31.07.	01.08.	02.08.	03.08.	04.08.
WELCOME MEETING	Academic Socialising	Academic Presentation (German or English)	Academic Presentation (German or English)	Academic Presentation (German or English)	Students Presentation	Lecture C	Exam (Part 1)	Studying in Germany	Conference	Lecture D	Lecture D	Lecture D	Lecture D	Lecture E	Exam (Part 2)
LECTURES	Lecture A	Academic Writing	Academic Writing	Academic Writing	Lecture A	Lecture B	Lecture C	Lecture A	Conference	Lecture E	Lecture F	Lecture F	Lecture F	Lecture E	Excursion / Guided Tour 2
TUTORIALS	Lecture B	Lecture A	Lecture A	Lecture A	Lecture C	Lecture B	Lecture C	Lecture A	Conference	Lecture F	Lecture F	Lecture F	Lecture F	Lecture E	Excursion / Guided Tour 2
PRACTICAL WORKSHOP	Lecture B	Lecture A	Lecture A	Lecture A	Lecture C	Lecture B	Lecture C	Lecture A	Conference	Lecture F	Lecture F	Lecture F	Lecture F	Lecture E	Excursion / Guided Tour 2
ACADEMIC WRITING	Lecture B	Lecture A	Lecture A	Lecture A	Lecture C	Lecture B	Lecture C	Lecture A	Conference	Lecture F	Lecture F	Lecture F	Lecture F	Lecture E	Excursion / Guided Tour 2
ACADEMIC PRESENTATION	Lecture B	Lecture A	Lecture A	Lecture A	Lecture C	Lecture B	Lecture C	Lecture A	Conference	Lecture F	Lecture F	Lecture F	Lecture F	Lecture E	Excursion / Guided Tour 2
RESEARCH AND STUDIES	Lecture B	Lecture A	Lecture A	Lecture A	Lecture C	Lecture B	Lecture C	Lecture A	Conference	Lecture F	Lecture F	Lecture F	Lecture F	Lecture E	Excursion / Guided Tour 2
EXCURSION / GUIDED TOUR 1	Lecture B	Lecture A	Lecture A	Lecture A	Lecture C	Lecture B	Lecture C	Lecture A	Conference	Lecture F	Lecture F	Lecture F	Lecture F	Lecture E	Excursion / Guided Tour 2
EXCURSION / GUIDED TOUR 2	Lecture B	Lecture A	Lecture A	Lecture A	Lecture C	Lecture B	Lecture C	Lecture A	Conference	Lecture F	Lecture F	Lecture F	Lecture F	Lecture E	Excursion / Guided Tour 2
DISCUSSION	Lecture B	Lecture A	Lecture A	Lecture A	Lecture C	Lecture B	Lecture C	Lecture A	Conference	Lecture F	Lecture F	Lecture F	Lecture F	Lecture E	Excursion / Guided Tour 2
FEEDBACK	Lecture B	Lecture A	Lecture A	Lecture A	Lecture C	Lecture B	Lecture C	Lecture A	Conference	Lecture F	Lecture F	Lecture F	Lecture F	Lecture E	Excursion / Guided Tour 2
FARE WELL	Lecture B	Lecture A	Lecture A	Lecture A	Lecture C	Lecture B	Lecture C	Lecture A	Conference	Lecture F	Lecture F	Lecture F	Lecture F	Lecture E	Excursion / Guided Tour 2

Dipl.-Ing. Maciej Mühleisen, Hamburg

• PRACTICAL WORKSHOP: WiFi and Sensor Networks

Prof. Dr.-Ing. habil. Peter Sobe, Dresden

• MODULE F: Privacy and Anonymity in the Internet

Prof. Dr.-Ing. Thomas Kemmerich, Gjøvik (Norway) & Bremen

• MODULE E: Mobile Computing and Security Testing

Prof. Dr. rer. nat. habil. Martin Leucker, Lübeck

• MODULE D: Software Reliability

Prof. Dr.-Ing. habil. Dennis Pfisterer, Lübeck & Stuttgart

• MODULE C: Network Security

Prof. Dr. rer. nat. Clemens Cap, Rostock

• MODULE B: Network Forensics

Prof. Dr.-Ing. habil. Andreas Ahrens, Wismar

• MODULE A: Concepts in Cryptography

PLANNED TOPICS AND LECTURERS:

- Free accommodation
- No fee for students
- Reimbursement of travel costs for participants from the Baltic states and neighbour states

BENEFITS:

TOTAL TIMES:  
Lectures: 16 hours  
Tutorials: 16 hours  
Practical Workshop: 8 hours  
Presentation Skills: 16 hours  
Academic Writing: 4 hours  
Conference: 12 hours  
Studying in Germany: 2 hours  
Alumni: 4 hours

# 21.07.-04.08.14

## 10<sup>th</sup> International Summer School in Riga!

**DAAD**

Deutscher Akademischer Austausch Dienst  
German Academic Exchange Service

**DEADLINE FOR APPLICATION:** 1<sup>st</sup> June 2014

**SPECIAL EVENT** → 28th to 29th July 2014 ←  
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# BALTIC SUMMER SCHOOL

## Technical Informatics & Information Technology



Design: www.kempka-scholz.de

### BALTIC SUMMER SCHOOL 2014

#### CONTENT

- Courses in technical informatics and information technology
- Introduction into academic writing and advanced research topics
- Attendance at Baltic Young PhD Conference
- Tutorials and practical work
- Language training for academic talk and presentation

#### TOPICS

- Basic Concepts in Cryptography
- Network Forensics
- Network Security
- Software Reliability
- Mobile Computing and Security Testing
- Privacy and Anonymity in the Internet

### APPLICATION FOR FREE PARTICIPATION

#### TARGET GROUP

Students and professionals in the field of informatics, computer science or electrical engineering

#### REQUIREMENTS

- A Bachelor's Degree in informatics, computer science or electrical engineering
- Letter of Intent
- Short Curriculum Vitae
- Certificate of Examination or Academic Transcript
- Language certificate

#### ONLINE REGISTRATION

<http://basoti.uni-rostock.de>

### CONTACT & INFO

#### SCIENTIFIC DIRECTOR:

Prof. Dr. Clemens Cap

#### PROJECT COORDINATOR:

Dr. Christine Bräuning

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Organised by Science Confederation IuK,  
University of Rostock