

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 Ph.D. 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

→ 28th to 29th July 2014

BALTIC YOUNG PHD CONFERENCE

CONTACT

GERMANY:

University of Rostock
Department of Computer Science

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LATVIA:

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

Local Director: Janis Grundspenkis

Project Mangement: Laura Kalnina
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ORGANISER:

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

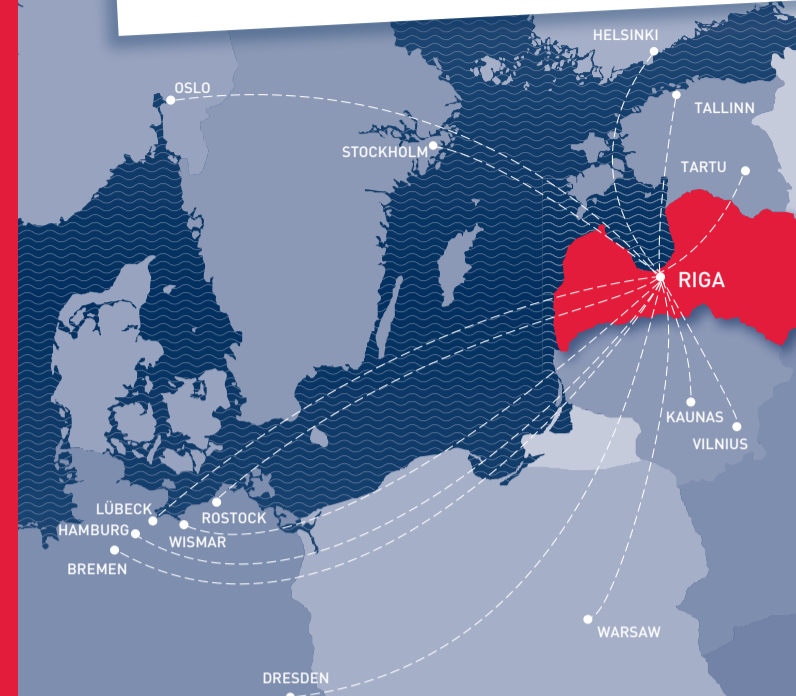


Funded by the German Academic Exchange Service by means of the German Federal Ministry of Education and Research

21.07.-04.08.14

10th 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
 - 5 from Riga Airport with bus No. 22 to the city
 - 6 Train Station Riga Pasazieru
 - 7 Riga International Coach Terminal



LOCATION :

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

1st June 2014
DEADLINE FOR APPLICATION:

16th June 2014
INFORMATION TO SUCCESSFUL APPLICANTS:

30th June 2014
AVAILABILITY OF LECTURE MATERIALS:

1st May 2014
DEADLINE FOR CONFERENCE PAPERS:

→ <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

REQUIREMENTS:

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

APPLICATION

DAY	9:00 - 10:30	10:45 - 12:15	13:30 - 15:00	15:15 - 16:45	17:00 - 18:30	19:00
21.07.	Welcome Meeting	Academic Socialising	Lecture A	Lecture B	Lecture B	Get Together
22.07.	Academic Presentation (German or English)	Academic Writing (German or English)	Academic Writing	Lecture A	Lecture B	Tutorials: 16 hours
23.07.	Academic Presentation (German or English)	Academic Presentation (German or English)	Visit IT Company	Lecture A	Lecture B	Practical Workshop: 8 hours
24.07.	Academic Presentation (German or English)	Students Presentation	Lecture C	Lecture A	Lecture C	Practical Workshop: 16 hours
25.07.	Exam (Part 1)	Tutorial 2	Lecture C	Lecture C	Lecture C	Tutorials: 4 hours
26.07.	Lecture C	Home Studies for Exam	Tutorial 2	Tutorial 2	Home Studies for Exam	Practical Workshop: 4 hours
27.07.	Exam (Part 1)	Excursion / Guided Tour 1	Excursion / Guided Tour 1	Excursion / Guided Tour 1	Excursion / Guided Tour 1	Practical Workshop: 4 hours
28.07.	Studying in Germany	Conference Tutorial	Conference	Conference	Conference	Practical Workshop: 4 hours
29.07.	Conference	Conference	Conference	Conference	Conference	Practical Workshop: 4 hours
30.07.	Lecture D	Lecture E	Academic Writing	Lecture F	Lecture F	Practical Workshop: 4 hours
31.07.	Lecture D	Lecture E	Lecture F	Lecture F	Lecture F	Practical Workshop: 4 hours
01.08.	Lecture D	Lecture E	Lecture F	Lecture F	Lecture F	Practical Workshop: 4 hours
02.08.	Lecture D	Lecture E	Lecture F	Lecture F	Lecture F	Practical Workshop: 4 hours
03.08.	Exam (Part 2)	Exam (Part 2)	Exam (Part 2)	Exam (Part 2)	Exam (Part 2)	Exam (Part 2)
04.08.	Tutorial 4	Tutorial 4	Tutorial 4	Tutorial 4	Tutorial 4	Tutorial 4

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.

BENEFITS:

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

TOTAL TIMES:

- Lectures: 48 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

- PLANNED TOPICS AND LECTURERS:**
- **MODULE A: Concepts in Cryptography**
Prof. Dr.-Ing. habil. Andreas Ahrens, Wismar
 - **MODULE B: Network Forensics**
Prof. Dr. rer. nat. Clemens Cap, Rostock
 - **MODULE C: Network Security**
Prof. Dr.-Ing. habil. Dennis Pfisterer, Lübeck & Stuttgart
 - **MODULE D: Software Reliability**
Prof. Dr. rer. nat. habil. Martin Leucker, Lübeck
 - **MODULE E: Mobile Computing and Security Testing**
Prof. Dr.-Ing. Thomas Kemmerich, Gjøvik (Norway) & Bremen
 - **MODULE F: Privacy and Anonymity in the Internet**
Prof. Dr.-Ing. habil. Peter Sobe, Dresden
 - **PRACTICAL WORKSHOP: WiFi and Sensor Networks**
Dipl.-Ing. Macej Mühlstein, Hamburg

INFORMATION

APPLICATION

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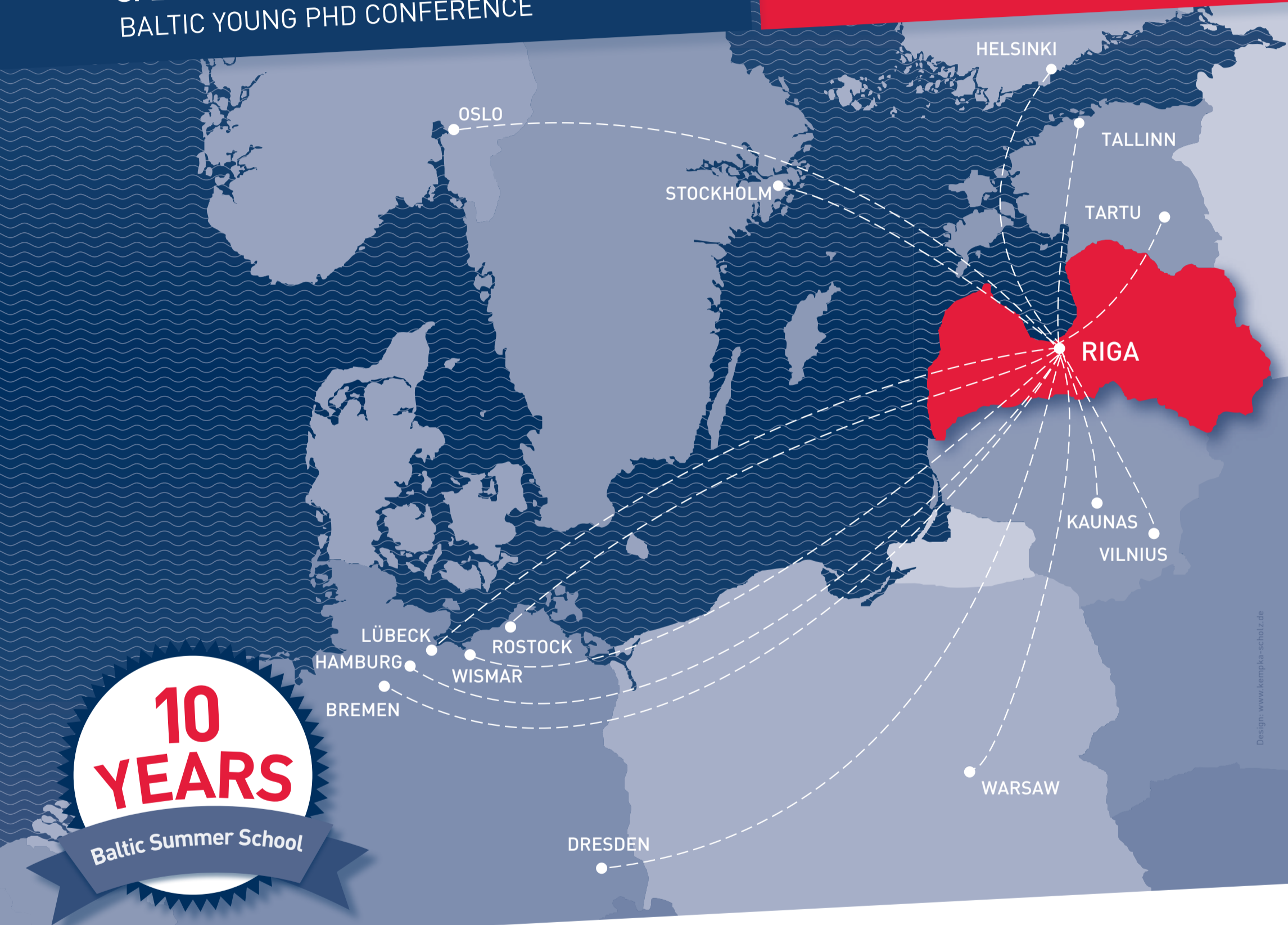
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CONTENT

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- Attendance at Baltic Young PhD Conference
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- 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:

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Organised by Science Confederation IuK,
University of Rostock

