

**CONTACT**

**GERMANY:**

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**LATVIA:**

Riga Technical University  
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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

**12.08.-27.08.11**



**BALTIC SUMMER SCHOOL**  
Technical Informatics & Information Technology

**WELCOME TO RIGA**

This year, the Science Confederation IuK has organized an International Summer School at Riga Technical University under the aegis of the German Embassy in Riga. The DAAD now supports the Summer School the seventh 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.

**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 conference „Human - Computer Interaction“ and Robotic Cup
- Tutorials and practical work
- Language training for academic talk and presentation
- Excursions and social events

**SPECIAL EVENT**  
→ 23<sup>rd</sup> to 24<sup>th</sup> August 2011  
**BALTIC CONFERENCE „HUMAN - COMPUTER INTERACTION“**



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

**ORIENTATION :**

- Welcome Meeting:** Svedbank Building, Balasta dambis 1a
  - Courses and Workshops:** Faculty of Computer Science and Information Technology, Meza iela 1/4
  - Accommodation:** Student Hostel, Azenes iela 22a
- ✈ From Riga Airport you can take the Bus No. 22 to City centre.

**TARGET GROUP:**  
Students and professionals in the field of Informatics, computer or electrical engineering

**REQUIREMENTS:**  
• A completed Bachelor's Degree in Informatics, computer or electrical engineering or similar subject  
• Good knowledge of German and/or English language

**APPLICATION PROCEDURE:**  
Send the following documents to the contact address in Germany:  
• Letter of Intent  
• Short Curriculum Vitae  
• Certificate of Examinations or Academic Transcript  
• Language Certificate for German and/or English  
• (optional) Letter of Recommendation  
Or use online registration at our website:  
→ <http://basoti.uni-rostock.de>

**DEADLINE FOR APPLICATION:**  
8<sup>th</sup> June 2011

**INFORMATION TO SUCCESSFUL APPLICANTS:**  
10<sup>th</sup> June 2011

**AVAILABILITY OF LECTURE MATERIALS:**  
15<sup>th</sup> July 2011

**DEADLINE FOR CONFERENCE PAPERS:**  
8<sup>th</sup> June 2011

**INFORMATION**

**DURATION AND CERTIFICATE:**

The Summer School takes 16 days and contains six special modules, 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	9:00 - 10:30	10:45 - 12:15	13:30 - 15:00	15:15 - 16:45	17:00 - 18:30	19:00
12.08.	Welcome	Placement Test	Visit IT Company	Visit Robotic Lab	City Tour	Welcome
13.08.	Academic Presentation Course	Lecture A	Lecture A	Lecture B	Lecture C	Lecture C
14.08.	Academic Presentation Course	Lecture A	Lecture A	Lecture B	Lecture C	Lecture C
15.08.	Academic Presentation Course	Lecture A	Lecture A	Lecture B	Lecture C	Lecture C
16.08.	Student Presentations	Lecture A	Tutorial A	Lecture B	Tutorial B	Tutorial B
17.08.	Lecture C	Tutorial C	Academic Writing	Robotic Lab		
18.08.	Lecture D	Lecture E	Lecture D	Robotic Lab	Evening Talk	
19.08.	Lecture D	Lecture E	Lecture D	Robotic Lab		
20.08.	Lecture D	Lecture E	Lecture D	Robotic Lab		
21.08.	Lecture D	Lecture E	Lecture D	Robotic Lab		
22.08.	Lecture F	Lecture F	Lecture F	Robotic Lab		
23.08.	Introduction Robo Cup	Student's Talk	Conference	Alumni Meeting	Studying in Germany	Social Event
24.08.	Conference	Conference	Conference	Robotic Lab		
25.08.	Team Contest Robo Cup	Feedback	Feedback	Robotic Lab	Consultations / Home Studies	Farewell
26.08.	Excursion / Guided Tour 2					
27.08.	Exam (Part 1)	Exam (Part 2)				

**PLANNED TOPICS AND LECTURERS:**

- **MODULE A: Digital Social Media**  
Prof. Dr. rer. nat. Clemens Cap, Rostock
- **MODULE B: Error-Control Coding for Data Networks**  
Prof. Dr.-Ing. Andreas Ahrens, Wismar
- **MODULE C: Network and Cloud Computing**  
Prof. Dr.-Ing. Peter Sobel, Dresden
- **MODULE D: Model Driven Software Development**  
Prof. Dr. Ing. sc. Oksana Nikiforova, Riga
- **MODULE E: New Standards for short-range networks and their applications**  
Dr.-Ing. Andreas Könsgen, Bremen
- **MODULE F: Design and implementation of an autonomous humanoid robot**  
Dipl.-Ing. Christian Fabian, Rostock
- **ROBOTIC LAB: AUTONOMOUS ROBOTIC SYSTEMS**  
Prof. Dr. Ing. sc. Agris Nikitenko, Riga

**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:	12 hours
Practical Work:	16 hours
Academic Presentation:	4 hours
Academic Writing:	4 hours

# 12.08.-27.08.11

DEADLINE FOR APPLICATION: 8<sup>TH</sup> JUNE 2011

# BALTIC SUMMER SCHOOL

Technical Informatics &  
Information Technology

DAAD

Deutscher Akademischer Austausch Dienst  
German Academic Exchange Service

→ Apply now ←  
7th International Summer  
School in Latvia!!!

HELSINKI

TALLINN

TARTU

RIGA



KAUNAS VILNIUS

WISMAR ROSTOCK

BREMEN

WARSAW

BERLIN

DRESDEN

SPECIAL EVENT → 23<sup>rd</sup> to 24<sup>th</sup> August 2011  
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Organised by Science Confederation iuk,  
University of Rostock

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#### TOPICS

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- Error-Control Coding for Data Networks
- Network and Cloud Computing
- Model Driven Software Development
- New Standards for short-range networks and their applications
- Design and implementation of an autonomous humanoid robot
- Autonomous robotic systems

#### APPLICATION FOR FREE PARTICIPATION

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

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Send the documents to the contact address or use online registration at our website:

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#### CONTACT & INFO

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