# Welcome to Tallinn

This year, the Science Confederation luK is organising an International Summer School at the TalTech in Tallinn, funded once again by the German Academic Exchange Service (DAAD).

The International Summer School offers special courses in the field of Blockchain Technology and its applications.

#### **TARGET GROUP:**

The contents of the BLOSSOM are aimed at students and professionals of Computer Science, Business Informatics or Mathematics with very good academic achievements who would like to deepen their knowledge in the field of blockchain technology.

#### **REQUIREMENTS:**

- A completed Bachelor's or Master's Degree in computer science, information management, information systems, business informatics or mathematics
- Good knowledge of the English language

#### **APPLICATION PROCEDURE:**

Prepare the following documents:

- Letter of Motivation
- Short Curriculum Vitae
- Certificate of Examinations or Academic Transcript
- Language Certificate for English
- (optional) Letter of Recommendation

Register online at: www.uni-rostock.de/blossom

#### **DEADLINE FOR APPLICATION:**

1st June 2019

#### **INFORMATION TO SUCCESSFUL APPLICANTS:**

7<sup>th</sup> June 2019

# **CONTACT GERMANY:**

University of Rostock **Department of Computer Science** 

Dr. Christine Bräuning

Albert-Einstein-Str. 21, Room 211 | 18059 Rostock Phone: +49 381 498 7660 / Fax: +49 381 498 118 7660 E-mail: christine.braeuning@uni-rostock.de www.uni-rostock.de/blossom

#### **CONTACT ESTONIA:**

Tallinn University of Technology (TalTech) School of Information Technology Department of Software Science Akadeemia tee 15A 12618 Tallinn, Estonia

Local Director: Assoc. Prof. Dr. Gunnar Piho Phone: +372 620 2315 / E-Mail: gunnar.piho@taltech.ee www.taltech.ee/en

Local Manager: Ms. Riina Soovik Phone: +372 620 2319 / E-Mail: riina.soovik@taltech.ee

#### **ORGANISER:**

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





















# **DURATION AND CERTIFICATE:**

The Summer School lasts two weeks and contains 11 special modules with a total amount 2 credits.

Credits are allocated based on student's workload (ECTSsystem). The certificate confirms the awarded credits with signatures of all lecturers and the detailed descriptions of the contents of the attended courses.

# AIMS:

- Preparation for international Master and PhD programmes
- Further specialisation in the field of blockchain technology

# **CONDITIONS:**

- No fee for participants
- Free participation in social events and excursions
- Travel, meals and accommodation payed by the participants

### **CONTENT:**

- Lectures, tutorials and practical lab
- Visit to an IT company
- Excursions and social events

# **PLANNED TOPICS AND LECTURERS:**

- MODULE 1: Blockchain Cryptography Basics Prof. Dr.-Ing. Sebastian Gajek, Flensburg
- MODULE 2: Blockchain and Consensus Prof. Dr. Clemens Cap, Rostock
- MODULE 3: Basics of Smart Contracts and Creation of New Tokens | Dr. rer. nat. Mayutan Arumaithurai, Göttingen)
- MODULE 4: Initial Coin Offerings (ICO) Crowdfunding on the Blockchain | Assoc. Prof. Dr. Alex Norta, Tallinn & MSc Benjamin Leiding, Göttingen
- MODULE 5: Blockchain and the Law Assoc. Prof. Dr. Thomas Hoffmann, Tallinn
- MODULE 6: Authentication and Digital Identities on the Blockchain | MSc Benjamin Leiding, Göttingen
- MODULE 7: Legally intended Smart Contracts Prof. Dr.-Ing. Volker Skwarek, Hamburg
- MODULE 8: Blockchain State Channels & Privacy Dipl.-Math. Sebastian Stammler. Darmstadt
- MODULE 9: Advanced Module on Smart Contracts Assoc. Prof. Dr. Alex Norta, Tallinn
- MODULE 10: Business Process Management (BPM) and Blockchain | Prof. Dr. Jan Mendling, Wien
- MODULE 11: Practical Lab on Smart Contract Programming | Prof. Dr.-Ing. Volker Skwarek, Hamburg

DAY	9:00 - 10:30	10:45 - 12:15	12:15-13:30	13:00 - 14:30	14:45 - 16:15	16:30-18:00	Evening
16.09.	Registration / Opening	Module 1	Break	Module 1	Module 2	Module 2	Get Together
17.09.	Module 1	Module 1	Break	Module 2	Module 2	Freetime & Relaxation	
18.09.	Module 3	Module 3	Break	Module 4	Module 4	Freetime & Relaxation	
19.09.	Module 5	Module 5	Break	Module 3	Module 3	Freetime & Relaxation	Evening Talk at an IT company
20.09.	Module 4	Module 4	Break	Module 5	Module 5	Freetime & Relaxation	
21.09.	Module 11 (Pract. Lab)	Module 11 (Pract. Lab)	Break	Module 11 (Pract. Lab)	Module 11 (Pract. Lab)	Round Table with Guests	Social Event
22.09.	Excursion / Guided Tour						
23.09.	Module 6	Module 6	Break	Module 7	Module 7	Freetime & Relaxation	
24.09.	Module 6	Module 6	Break	Module 7	Module 7	Freetime & Relaxation	
25.09.	Module 8	Module 8	Break	Module 9	Module 9	Freetime & Relaxation	Cultural Exchange
26.09.	Module 8	Module 8	Break	Module 10	Module 10	Freetime & Relaxation	
27.09.	Module 9	Module 9	Break	Module 10	Module 10	Feedback / Awarding of Certificates	Farewell
28.09.	Excursion / Guided Tour						

# MOSSOJE

# **BLOCKCHAIN & SMART CONTRACTS SOMMERSCHULE**



16.09. - 28.09.2019

14th International Summer School in Baltic - Rostock Cooperation 2019 in Tallinn / Estonia

DAAD

Deutscher Akademischer Austausch Dienst
German Academic Exchange Service

"The blockchain as enabling technology allows the construction of trustworthy and massively distributed information technology. BloSSom is a summer school which trains the participants in this fascinating technology and provides an update to the current state of research."

Prof. Dr. Clemens Cap, University of Rostock

### **LOCATION AND ORIENTATION:**

- Lectures, tutorials, practical lab Mektory
- Accommodation: Academic Hostel, Akadeemia tee 11 / 1, from the city with tram No. 4 or bus No. 2
- 🛪 from Airport Tallinn-Lennart Meri with bus No. 2 to the city
- Coach Station Tallinna Bussijaam
- Railway Station Balti Jaam
- Ferry terminals

