



Engineer your
international
experience
by joining the

SUMMER SCHOOL

"Sustainable
Construction –
from Traditions
to Innovations"

August 19–30, 2018
Riga, Latvia

Participation fee

The participation fee covering registration, tuition, accommodation in the student hostel of RTU, meals (breakfast and lunch) and the social program is **EUR 700**. The participants will have to cover their travel expenses and health insurance. Based on the evaluation of the application documents, participant with the most outstanding results will receive a discount for covering participation fee.

Application

The deadline for submitting the application is
May 18, 2018

**Please enclose the following documents
in English:**

- Application form: rtu.lv/en/sustainability
- *Curriculum Vitae*
- Letter of motivation (1 page)

Contacts

The International Relations Department of RTU will be happy to answer all **questions concerning organizational and content related matters**, which might occur before the summer school starts or during its course.

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rtu.lv/en/sustainability

About

"Sustainability" is one of the world's most talked about but least understood words. Its meaning is often clouded by differing interpretations and by a tendency for the subject to be treated superficially. Traditionally the concept of sustainability embraces the preservation of the environment, as well as critical development-related issues such as the efficient use of resources, continual social progress, stable economic growth, and the eradication of poverty.

Within the summer school You will attend lectures of scientists in the fields of civil engineering, architecture and physics. Seminars will cover topics like preparation of scientific publications and practical implementation of sustainable construction principles. You will visit several enterprises and construction projects, for example, **National Library of Latvia**, ongoing projects in Riga Technical University (RTU) Campus and **industrial enterprises like "Knauf"**, which is one of the world's leading manufacturers of lightweight building products and systems, and **Latvian Wood Construction Cluster**.

In addition, interdisciplinary teams will be formed to work with projects. Informal discussions will be held about the modern issues of formation in the field of sustainable construction, civil engineering and physics. The summer school is aimed to provide new generation of participants with the ability to develop interdisciplinary thinking.

In 2018, Latvia celebrates a hundred years since it became an independent state. Within festivities You will explore and enjoy Latvian culture and lifestyle – from traditions to innovations.

LV100

Modules

Sustainable construction principles

- Sustainable architecture
- Sustainability in seismic-resistant constructions
- Sustainable solutions of engineering communications

Building materials for sustainable construction

- Materials acoustic performance
- Innovative materials from radioactive products

Practical implementation of sustainable construction principles

- Sustainability concept in historical buildings
- Ongoing sustainable projects in RTU Campus
- Sustainable solutions in Nacional Library of Latvia
- Sustainable construction principles of "Knauf"
- Sustainable solutions in Latvian Wood Construction Cluster
- Preparation of scientific publications

Hosts

The summer school "Sustainable Construction" is organized by the Faculty of Civil Engineering and International Relations Department of RTU in cooperation with the Department of Civil Engineering (DICIV) and the Department of Information and Electric Engineering and Applied Mathematics (DIEM) of the University of Salerno (UNISA), and enterprise "Knauf".

RTU and UNISA have a lot of experience with participation in and coordination of national and international research and educational projects, as well as international conferences for both scientists and students.

Study credits

Certificates of Further Education of Riga Technical University and 6 ECTS (European Credit Transfer System) credit points will be awarded upon completion of the program.

Your profile

Education background

- Undergraduate student (finished at least one year of studies by the time the summer school starts)
- Postgraduate student

You are familiar with

- Mathematical calculus
- General physics
- Basics of building materials and structures

Your abilities

- Speak fluent English
- Appreciate the experience of learning from and working with qualified professionals
- You are a creative person
- Looking for added value content



RTU Campus