

Come to Latvia **and experience a**
nonlinear
summer life!



AUGUST 20-31 | 2017

RIGA | DAUGAVPILS | LATVIA



Application

The deadline for submitting
the application is

May 5, 2017

The number of participants is restricted.
Do not be late!

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

- Application form / summerschool.rtu.lv
- Curriculum Vitae
- Letter of motivation (1 page)



Contacts

Questions related to content of the summer
school should be addressed to the Institute of
Biomedical Engineering and Nanotechnologies
of RTU

Phone: +371 6708 9383

E-mail: jurijs.dehtjars@rtu.lv

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

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**As Mark Rothko said:
«A painting is not a
picture of an experience,
but is the experience»**

The

Institute of Biomedical
Engineering and
Nanotechnologies
(IBEN) of the Faculty
of Mechanical

Engineering, Transport and Aeronautics, Daugavpils
Affiliate and International Relations Department
of Riga Technical University (RTU) follow this line
by inviting You to experience a NONLINEAR LIFE by
joining our summer school titled «**Nonlinear Life**».

Your journey within this summer school will
lead You through mathematics, medical physics,
mechanics, medical engineering dealing with nonlinear
systems of objects. So by focusing on both approaches
You will acquire not only theoretical knowledge,
but also practical experience of engineering and
biomedical technologies.

Even more – during Your «Nonlinear Life» journey
You will be involved in many other dimensions of life
offered exclusively by the capital of Latvia – Riga. This
city knows how to make You feel emotional vibrations.
And You know, by vibrations we don't mean vibrations
of aircrafts, the term widely used in the engineering
language.

**If You have finished at least one year of studies
by the time the summer school starts, speak fluent
English, appreciate the experience of qualified
professionals and are a creative person, You are more
than welcome to join this event**

**from August 20 to 31, 2017
in Riga and Daugavpils**

Host of the Summer School

We are an internationally recognized university
complying with European standards. At present, it is the
largest university in Latvia and gathers nearly 15 000
students at nine faculties in various study programs.

IBEN is a part of RTU and has a lot of experience
with participation in and coordination of national
and international research and educational projects,
international conferences for both scientists and
students.

The Institute has a worldwide cooperation in
research and education. The Institute has a leader
position in medical physics and engineering education
in the Baltic region. The research done by the Institute
focuses on nanotechnologies, smart textile and
biotextile, nanodosimetry towards medical applications.

Daugavpils Affiliate is a representative of RTU
in Latgale region, situated in the east of Latvia and
considered to be a multi-national region. RTU has
established a comprehensive network of affiliations
outside the capital city Riga in order to promote
intellectual development in the regions of Latvia and
to educate and train qualified workforce close to their
place of residence in different parts of the country. One
of the goals of the state policy of Latvia is to improve
the economic situation of Latgale. Multidisciplinary
specialists working on the development of high-quality
production can substantially help to solve this problem.

Program

You will attend lectures of famous scientists in
the fields of dynamics of nonlinear systems, medical
engineering and physics. Seminars will cover topics
such as preparation of scientific publications, computer
simulation of nonlinear dynamic systems and will
be organized in the research facilities of RTU. You
will be able to visit medical institutions, for example,
the Oncology Centre of Latvia (Riga) and industrial
enterprises like «Regula Baltija» (dealing with testing
banknotes and coins) and «Axon Cable» (manufacturing

cables for home and aircrafts) in Daugavpils. In
addition, interdisciplinary teams will be formed to
work on projects. Informal discussions will be held
about the modern issues of formation in the field
of nonlinear systems, engineering and physics for
medicine. The summer school is aimed at providing a
new generation of listeners with the ability to develop
interdisciplinary thinking.

The summer school will take place in the capital of
Latvia – Riga and in the largest city of Latgale (one
of the four regions of Latvia) – Daugavpils, where
the biggest affiliation of RTU is situated. During
the summer school excursions, sightseeing of Riga,
Daugavpils and other interesting places outside the
cities will be organized. You will get acquainted with
the local historical and cultural monuments. Latvian
language and Latvian culture will be presented in a
form of a game in order to make participants feel and
perceive the national environment. There will also be
activities organized with the aim to reveal creative
and sports skills and abilities of the participants.

Have we mentioned Mark Rothko? Yes, the famous
painter was born here, in Daugavpils – the second
biggest city in Latvia. You will visit Daugavpils Mark
Rothko Art Center! The only place in Eastern Europe
where you have an opportunity to get acquainted with
the original works of Mark Rothko.

So come and enjoy!

Study Credits

Certificates of Further Education of RTU and 2.5
ECTS (European Credit Transfer System) credit points
will be awarded upon completion of the program.

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**. You will have to cover travel expenses
and health insurance. A participant with the most
outstanding academic result will be able to receive a
partial bursary from the organizers.