INTERNATIONAL SUMMER SCHOOL 2019
of the Leuphana University Lüneburg, BOKU Vienna and the TU Budapest

Environment and Climate Protection and Sustainable Mobility

Following the good tradition of the Summer and Winter Schools in the last years, the International Summer School opens its gate on 05 August Monday and closes it on August 09th, Friday 2019.

Fig. 1 Leuphana University Lüneburg
Fig. 2 BOKU in Vienna
Fig. 3 TU Budapest
General Information

Arriving day: Sunday August, 04th, 2019
Departure day: Saturday August 10th, 2019
Time interval of education: from August 05th to August 09th, 2019
Accommodation: In small hostels and in the guest house of the universities in 3 and 4 bedrooms, with or without breakfast, depending on the hostels and the universities
Lunch: in the canteen of the universities, with or without cold catering for the following excursions.

Topics: Climate Modelling, Environment and Climate Protection, Sustainable Mobility

Teaching and learning techniques: Team teaching and collaboration learning

Language: English

Examination: Assignment with combined evaluation for all participants.

Oral examination in groups in freely chosen sub-topics, related the above defined main topics at the last day, consisting of 3-4 students. Time interval per person: ca. 10 minutes. The evaluation commission consists of Hungarian and German professors.

Written examination with a scientific report in groups, consisting of 3-4-students, similar to the oral examination. The volume is ca. 15 pages. Dead line is September 15th, 2019

Number of Credit Points: 5, depending on Universities with an international examination document of the Technical University Budapest, Faculty Mechanical Engineering, signed by the BOKU and the TU Budapest.

Member of consortiums:
- TU Budapest, BME
- Universität für Bodenkultur, BOKU
- ELTE Eötvös Löránd University Budapest
- Austrian Meteorological Service
- Power Plant Simmering
- Hungarian Academy of Sciences MTA
- Embassy of the Federal Republic of Germany in Hungary

Skype conference:
- Shanghai Jiao Tong University, China
- Greenwich University, U.K.
- Puebla University, Mexico
- Konrad Adenauer Foundation, Germany
- Trans Consult Asia Hong Kong, China
- Ouagadougou University Burkina Faso
How to apply

Fill the Application Form (see last page) and send it by e-mail to:
1) Michael Palocz-Andresen: palocz-andresen.michael@uni-sopron.hu
and 2) Tünde Varga: tuety@gmail.com

Deadline of application: July 10th 2019

Information on costs: No costs for BOKU students!

Meeting point
August 04th, Sunday
Meeting point (students from Lüneburg): In the bus stop of the Railway station in Lüneburg at 4:30 and in the Scharnhorststrasse 1 in 21335 Lüneburg, Leuphana Universität at 5:00

Travelling to Vienna with the bus to the Meiningen Hotel Downtown Franz (Rembrandtstraße 21, 02. Leopoldstadt, 1020 Wien, Österreich)

Meeting point for BOKU/Austrian students:
August 05th 2019, Monday, 9:45am
At BOKU - University of Natural Resources and Life Sciences,
Gregor-Mendel-Straße 33 1180 Vienna, Austria (at the main entrance)
PROGRAM

August 05th, Monday

BOKU - University of Natural Resources and Life Sciences, Gregor-Mendel-Straße 33 1180 Vienna, Austria. Phone (+43-1) 47654-0.

Travelling from the hotel to the university by bus.

- 10:00 – 10:10 Introduction by Prof. Dr. J. Eitzinger, Institute for Meteorology
- 10:10-12:00 1. Lesson: Influence of Climate Research on Environmental Situation (H. Formayer, BOKU)
- 12:00 – 13:00 Lunch

16:00  Sightseeing in Vienna

August 06th, Tuesday

BOKU - University of Natural Resources and Life Sciences, Gregor-Mendel-Straße 33 1180 Vienna, Austria. Phone (+43-1) 47654-0. Travelling from the hotel to the university by bus.

- 10:00 – 12:00 3. Lesson: Sustainable Agriculture, as an Important Element of the Environmental Protection (J. Eitzinger, BOKU)
- 12:00 – 13:00 Lunch
- 13:00 – 16:00 4. Excursion to the Simmering Power Plant. Erste Haidequerstraße 1, 1110 Wien Österreich. Telefon: +43 1 40040. Travelling by bus to the excursion.
Lesson of Prof. Eitzinger 2018

http://bit.do/ezaR3

- 16:00  Travelling to Budapest by bus
- 19:00  Accommodation in the P. Vásárhelyi Dormitory Budapest, House of the TU Budapest. Kruspér u. 2, 1111 Budapest, Telefon: +36 30 759 1951

August 07th, Wednesday
- 10:00 – 10:15  **5: Greeting in the TU Budapest (T. Csoknyai, Technical University Budapest, Department of Building Services and Process Engineering, 1111 Budapest, Műegyetem rakpart 3-9, Building D, Laboratory. Tel: +36/1/463-1106)**
- 10:15 – 12:00  **6. Lesson: Art and Design for Modernization of the Environmental Protection Situation by Decreasing Pollutions. Developing posters in small teams. An art program with an exhibition at the end (A. Gosztom and T. Varga)**

Common art program and the poster competition 2018

- 12:00 – 13:00  Lunch
- 13:00 - 14:00  **7. Visit of the institute for Electronic of the TU Budapest. Intelligent automotive technology. Autonomous Driving. TU Budapest, Faculty of Electrotechnology (L. Jakab, 1117 Budapest, Magyar Tudósok körútja 2, Building Q, B floor)**
- 14:30 – 16:00  **8. The challenge of mainstreaming Education for Sustainable Development in Higher Education in Hungary** (Attila Varga, The Hungarian Institute for Educational Research and Development (HIERD), Eszterházy Károly University (EKU))

- 16:00  **Free program in Budapest**

**August 08th, Thursday**

- 09:00 – 10:00  **9. Lesson: Visit of the Labs of the Technical University Budapest, Department of Building Services and Process Engineering, (L. Kajtár) 1111 Budapest, Műegyetem rakpart 3-9, Building D, Laboratory. Tel: +36/1/463-1106**

**Excursion to the laboratory of the TU Budapest 2018**

10:00 – 10:30  Walking to the ELTE (University Eötvös Loránd, Institute for Geography and Earth Sciences, Chair for Meteorology, 1117 Budapest, Pázmány Péter sétány 1/A, Tel.: +36/1/372-294)

- 10:30 – 11:00  **10. Lesson: The Role of the ELTE, the largest and oldest university in Hungary on the Climate and Environment Protection (J. Bartholy, ELTE)**

- 11:00 – 11:30  **11. Lesson: Climate and Environmental Research in Hungary (R. Pongrác, ELTE)**

https://bit.ly/2YmKL7O
The ELTE Budapest

- 11:30 - 13:00 Lunch in the canteen of the TU Budapest
- 14:00 - 16:00 12. Lesson: Developing General Assemble and Improving the Function of the Ecosystem. Embassy of the Federal Republic of Germany, 1014 Budapest, Úri utca 14)


The building of the German Embassy

- 16:00 Sightseeing in Budapest

http://bit.do/eza5f

The Matthias church
August 09th, Friday
Skype day at the Technical University Budapest BME, Faculty of Engineering Department of Building Services and Process Engineering. Skype lectures with young scientist discussions (1111 Budapest, Műegyetem rakpart 3-9, Building D, Room 121)

- 08:30 – 09:00  13. Lesson: Waste Water and Sludge Technology in Shanghai (Z. Lou, Shanghai Jiao Tong University, China)

- 09:00 – 09:30  14. Lesson: Public Transportation in Hong Kong (Alok Jain, Trans-Consult Asia Ltd. China)

- 09:30 – 10.00  15. Lesson: Democratic Professionalism in Public Services (J. Lethbridge, Greenwich University London, Great Britain)

- 10:00 – 10:30  16. Lesson: Energy Security and Climate Change Impacts in Asia (P. Hefele, KAS Berlin)

- 10:30 – 11:00  17. Lesson: Biochemicals for Health Saving (A. Hilou, Guadadougou University, Burkina Faso)

- 11:00 – 11:30  18. Lesson: Using Hydro Energy in Mexico (M. Torres, Puebla University, Puebla, Mexico)

- 12:00 - 13:00  Lunch in the canteen of the TU Budapest

- 14:00 – 15:00  19. Lesson: The revolution of optics. (N. Kroó, MTA Hungarian Academy of Sciences. 1051 Budapest, Széchenyi István tér 9)


Historical building of the Hungarian Academy of Sciences

- 15:00 – 16:00  20. Lesson: Visit of the Art Gallery of the MTA (Zs. Albert)

- 20:00 – 21:00  Goodbye: Shipping on the river Danube. Cost level: 10 €/person (1051 Budapest, Vigadó tér, Ship station S/A)
Good bye 2018 at the Danube river

**August 10th, Saturday**
20:00 Start with the bus to Lüneburg

**August 11th, Sunday**
At ca. 4 pm: Arriving in Lüneburg, at the Railway station and at the Campus area of the Leuphana University

*End of the Summer School 2019*
APPLICATION FORM

Summer School 2019
at the BME Budapest University of Technology and Economics
in the topic of Environment and Climate Protection and Sustainable Mobility

Date: from August 4 (Sunday) – August 9 (Friday), 2019

Applicant’s details:

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I understand the following:
by signing this document and sending by post or by email, an agreement shall be established between the applicant and our university. Filling the application form has also constitute reservation.

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Signature

Please send the Application form to Professor Michael Palocz-Andresen or to Tünde Varga