

**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 09<sup>th</sup>, Friday 2019.**



Fig. 1 Leuphana University Lüneburg

Fig 2. BOKU in Vienna

Fig. 3 TU Budapest



## General Information

**Arriving day:** Sunday August, 04<sup>th</sup>, 2019

**Departure day:** Saturday August 10<sup>th</sup>, 2019

**Time interval of education:** from August 05<sup>th</sup> to August 09<sup>th</sup>, 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 15<sup>th</sup>, 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                       | - Power Plant Simmering                                 |
| - Universität für Bodenkultur, BOKU      | - Hungarian Academy of Sciences MTA                     |
| - ELTE Eötvös Lóránd University Budapest | - Embassy of the Federal Republic of Germany in Hungary |
| - Austrian Meteorological Service        |   |

### Skype conference:

- |  |                                       |
|--|---------------------------------------|
| - Shanghai Jiao Tong University, China | - Konrad Adenauer Foundation, Germany |
| - Greenwich University, U.K.           | - Trans Consult Asia Hong Kong, China |
| - Puebla University, Mexico            | - 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](mailto:palocz-andresen.michael@uni-sopron.hu)  
and 2) Tünde Varga: [tuety@gmail.com](mailto:tuety@gmail.com)

**Deadline** of application: July 10<sup>th</sup> 2019

**Information on costs:** **No costs for BOKU students !**

### **Meeting point**

**August 04<sup>th</sup>, Sunday**

**Meeting point (students from Lüneburg)** : In the bus stop of the Railway station in Lüneburg at 4:30 and in the Scharnhorstsstrasse 1 in 21335 Lüneburg, Leuphana Universität at 5:00

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

### **Meeting point for BOKU/Austrian students:**

**August 05<sup>th</sup> 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 05<sup>th</sup>, 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
- 13:00 – 16:00 **2. Lesson: Weather and Environment Pollution. Excursion to the Austrian Meteorological Service ZAMG (Zentralanstalt für Meteorologie und Geodynamik, 1190 Wien, Hohe Warte 38, Telefon: +43 1 36 0 26. Travelling by bus.**
- 16:00 **Sightseeing in Vienna**

### August 06<sup>th</sup>, 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 07<sup>th</sup>, 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. Pongrácz, 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)**



<https://bit.ly/2JFu0S5>

### The building of the German Embassy

- 16:00 **Sightseeing in Budapest**



<http://bit.do/ezaSf>

### The Matthias church

### August 09<sup>th</sup>, 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, Múzeum 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)**



<https://bit.ly/2l6NNrK>

### 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 5/A)**





<http://bit.do/ezaSr> (left)

**Good bye 2018 at the Danube river**

**August 10<sup>th</sup>, Saturday**

20:00 Start with the bus to Lüneburg

**August 11<sup>st</sup>, 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:**

Name	
Nationality	
Birth of Date and Place	
ID card or passport number	
University	
University level programme	
Neptun code (only for Hungarian students)	
Address	
Mobile phone	
E-mail	
Accommodation <b>YES/NOT</b>	
If <b>YES</b> : How many days?	
If <b>YES</b> : For which days?	

### ***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](#)