



WORKING PLAN OF THE INTERNATIONAL WINTER SCHOOL 2018 AT THE UNIVERSITY SOPRON

# Sustainable Wood Technology

*Date of draft: December 7. 2018*

*Following the good tradition of the Summer Schools in the last years, the International Winter School of the University Sopron opens its gate on February 18th Sunday and closes it at 23rd of February, 2018 on Friday. The Winter School will be sponsored by the Konrad Adenauer Foundation Budapest.*



**Arriving day:** Sunday, February 18<sup>th</sup>, 2018

**Departure day:** Friday, February 24<sup>th</sup>, 2018

**Time interval of education:** from 19<sup>th</sup> to 23<sup>rd</sup> February, 2018



**Accommodation:** In small hostels and if possible in the Guest House of the visited universities in 3 and 4 bedrooms, with or without breakfast, depending on the universities.

**Lunch:** in the canteen of the universities, with or without cold catering for the following excursions.

## TOPICS

- **Wood and other natural substances in the construction**
- **Using renewable energy in the wood technology**
- **Art in the education for “green” exterior systems**
- **Quality of wood products and improving the technological parameters**
- **Using carbon fiber composite substances CFC and green materials in the construction industry.**

**Language:** English

**Examination:** Oral examination by assignments in groups in freely chosen topics at the last day. Written examination with a scientific report with a volume from 15 to 18 pages by March 15<sup>th</sup>, 2018

**Number of Credit Points:** 2 - 5, depending on universities

**Host faculty:** The Simonyi Károly Faculty of Engineering, Wood Sciences and Applied Arts. H - 9400 Sopron, Bajcsy Zsilinszky utca 4.

## Member of consortiums:

- University of Sopron US,
- Leuphana University Lüneburg LUL,
- University Vienna BOKU,
- TU Budapest BME,
- Szent István University Faculty in Gödöllő and Faculty in Budapest
- Hungarian Academy of Sciences MTA,
- Embassy of the Federal Republic of Germany.

## Skype conference:

- Shanghai Jiao Tong University, China
- Leuphana University Lueneburg, Germany
- Greenwich University, U.K.
- Kuwait University, Kuwait
- Konrad Adenauer Foundation Hong Kong
- Puebla University Mexico.

## PROGRAM

**February 18<sup>th</sup> 2018, Sunday:** Arriving in Sopron (Accommodation: Machatsek Gyula Hotel and College for Students, Baross utca 4, 9400 Sopron)

### February 19<sup>th</sup> 2018, Monday:

Greeting and introduction: University of Sopron, building P, large lecture room (Erzsébet kert, 9400 Sopron, Cházár András tér 1)

- 09:00 – 09:10 **Opening the International Winter School** A. Náhlik, rector of the University of Sopron)
- 09:10 – 09:20 **Greeting the Participants** (F. Spengler, Resident Representative of the Konrad-Adenauer-Stiftung in Hungary)



- 09:20 – 09:40 **Welcome speech to the Students, Professors and Guests** (C. Farkas, senator, represent of the Sopron parliament)
- 09:40 – 09:50 **Introduction by the dean of the Faculty for Wood Technology** (E. Magoss, University of Sopron)
- 09:40 – 10:00 **Use wood and tackle climate change** (R. Németh, University of Sopron)
- 10:00 – 10:20 **Innovation in wood based materials and its implications for sustainability** (L. Bej3, University of Sopron)
- 10:20 – 10:50 Coffee break, press conference
- 10:50 – 11:10 **Carbon fibre reinforced timber** (K. Andor, University of Sopron, Faculty Wood Technology)
- 11:10 – 11:30 **Sustainability in Wood Technology** (P. Rademacher, University of Sopron)
- 11:30 – 11:50 **Technical Aspect of Renewable Resources and Electric Vehicles in Energy Supply** (Skype-lecture: M. el Sayed, Kuwait University)
- 11:50 – 13:30 Lunch
- 13:30 – 16:00 **Visitation of the laboratories of the Faculty of Wood technology** (T. Alp3r, University of Sopron)

#### February 20<sup>th</sup> 2018, Tuesday:

Excursion to Vienna (Austria) BOKU University of Natural Resources and Life Sciences, Gregor-Mendel-Stra3e 33 1180 Vienna, Austria. Phone (+43-1) 47654-0. Travelling by bus.

- 06:00 – Meeting point: Machatsek Gyula Hotel and College for Students, Baross utca 4, 9400 Sopron
- 09:00 – 09:30 **Climate Research and Climate Modelling** (H. Formayer, BOKU)
- 09:30 – 10:00 **Sustainable Agriculture** (J. Eitzinger, BOKU)
- 10:00 – 11:00 Visitation of the Laboratories for Meteorology
- 11:00 – 12:00 Lunch and travelling to Simmering
- 13:00 – 16:00 **Excursion to the Simmering Power Plant with fossil and green Energy Production**
- 16:00 – 22:00 Visiting the center of the city
- 22:00 Accommodation in Vienna in the Meininer Hotel (Wien Franzstadt, Rembrandt Strasse 21, 1020 Wien)

#### February 21<sup>st</sup> 2018, Wednesday:

At 6:00 traveling back to University of Sopron, Simonyi K3r3ly Faculty of Engineering, Wood Sciences and Applied Arts. Institute AMI. H - 9400 Sopron, De3k t3r 32, Large lecture room, ground floor.



- 09:00 – 11:30 **Art for Wood and Natural Materials in the Construction and Enterior Technology.** Developing posters in small teams. An art program in the Institute of Applied Arts (AMI) of the University of Sopron with a common exhibition at the end (A. Gosztom and T. Varga)
- 12:00 – 13:00 Lunch
- 13:00 – 16:00 **Visit of the Museum for Mining and Forestry** (University of Sopron)
- 16:00 – 17:00 Guided sightseeing-tour in Sopron
- 17:00 – Common evening in the folklore Wine cellar in Sopron's downtown (Gyógygödör), enjoying Hungarian meal and wine (*consumption at own contribution*)

#### February 22<sup>nd</sup> 2018, Thursday:

- **Start at 05:00** by bus. Excursion to Gödöllő and Budapest. Travelling by bus Sopron (Meeting point: Machatsek Gyula Hotel and College for Students, Baross utca 4, 9400 Sopron)
- 9:00 – 10:00 **Experiences in Climate Research and Protection in Hungary - an overview** (M. Jolánkai, Szent István University SziE Gödöllő)
- 10:00 – 11:30 **Excursion to the Experimental Station of the University**
- 11:30 – 12:30 Lunch
- 12:30 – 14.00 Travelling to Budapest
- 14:00 – 15:00 **Modelling plant responses to climate** (M. Ladányi, Szent István University Budapest)
- 15:00 – 16.00 **Dendrologische Spezialitäten in dem Budaer Arboretum**
- 16:00 – 21:00 Sightseeing in Buda
- 21:00 – Accommodation in the Hotel Broadway Budapest (1066 Budapest, Ó utca 24-.26)

#### February 23<sup>rd</sup> 2018, Friday:

Technical University Budapest (BME), Faculty of Engineering Department of Building Services and Process Engineering. Skype lectures with young scientists discussions (1111 Budapest, Műegyetem rkp.1, building D, 121).

- 09:00 – 09:10 **Introduction of the scientific and teaching activities of the institute for Building Services and Process Engineering** (L. Kajtár, TU Budapest)
- 09:10 – 09:30 **Water and Waste Water Technology in Large Metropolises** (Z. Lou, Shanghai Jiao Tong University, China)



- 09:30 – 09:50 ***Mechanisms of the German Renewable Energy Sources Act*** (H. Thomas, Leuphana University Lüneburg)
- 09:50 – 10:20 Coffee break
- 10:20 – 10:40 ***Energy Security and Climate Change Impacts in China*** (P. Hefele, KAS Hong Kong)
- 10:40 – 11:00 ***Democratic Professionalism in Public Services*** (J. Lethbridge, Greenwich University)
- 11:00 – 11:20 ***From New Spain to the Mexican Republic*** (M. Torres, Puebla University, Puebla, Mexico)
- 10:20 – 11:30 ***Excursion to the laboratories of the institute*** (J. Szabó, TU Budapest)
- 11:30 – 12:30 Lunch
- 13:00 – 14:00 ***Visitation of the art Collection of the Hungarian Academy of Sciences*** ( Zs. Albrecht, Hungarian Academy of Sciences MTA)
- 14:30 – 16:00 ***Goodbye: Energy Transition in Hungary*** (Embassy of the Federal Republic of Germany, 1014 Budapest, Úri utca 14)
- 18:00 Dinner in the Vak Varjú Restaurant (Budapest, Paulay Ede u. 7)

***End of the Winter School 2018***