

# EUROPEAN COURSE OF CRYOGENICS 2017

Based on an agreement between

- Technische Universität Dresden, Faculty of Mechanical Engineering / Germany,
  - Wrocław University of Technology, Faculty of Mechanical and Power Engineering / Poland,
  - and the Norwegian University of Science and Technology (NTNU) Trondheim / Norway
- the commonly organized academic courses in “Cryogenic Fundamentals” and “Cryogenic Processes” are offered – according to previous years – as well in 2017 again.

## Dates

Date	Location	Focus
Aug. 19 <sup>th</sup> or Aug. 20 <sup>th</sup>	Arrival in Dresden	
<b>Aug. 21<sup>st</sup> – Aug. 25<sup>th</sup> 2017</b>	TU Dresden, Germany	Basics, liquid hydrogen technology
Saturday, Aug. 26 <sup>th</sup>	Transfer to Wrocław	
<b>Aug. 28<sup>th</sup> – Sept. 01<sup>st</sup> 2017</b>	WUT Wrocław, Poland	Helium cryogenics, cryostat technology
Saturday, Sept. 2 <sup>nd</sup>	Transfer to Trondheim	
<b>Sept. 04<sup>th</sup> – Sept. 08<sup>th</sup> 2017</b>	NTNU Trondheim, Norway	Liquefied natural gas, coolers
Saturday, Sept. 09 <sup>th</sup>	Return from Trondheim	

Students from the organizing universities as well as from other universities are invited to apply for participation. The courses will be held in English language. Lecturers will be members of the organizing universities and a number of external experts. In addition to the lessons, technical excursions, student tutorials and demonstrations will be performed. The weekends are foreseen mainly for common social activities and travel.

Two written examination will take place at the end of the course. The first examination is assigned to “Cryogenic Fundamentals”, the second to “Cryogenic Processes”. The acknowledgement of achieved ECTS credits is guaranteed at all three organizing universities.

## Application

Who can apply?	Engineering or PhD students from the participating universities as well as from other universities and institutes, who are interested in cryogenic technology
ECTS credits?	In total a sum of 12 can be achieved, 6 assigned to each lecture
Accommodation?	Arranged and sponsored by the respective institution, incl. breakfast and lunch plus a limited framework program; Please follow the given time schedule.
Travel costs?	To be covered by the participants individually (in case of need the respective home institution may be addressed for financial support)
Limitations?	Due to organizational restrictions the number of participants is limited. Therefore, an application process is established.

## Contact

Students from Norway and Poland should directly address their application to NTNU Trondheim or WUT Wrocław.

Students from Germany and from other countries should direct their application (curriculum vitae including a picture + letter of motivation) as soon as possible to the following address:

Technische Universität Dresden  
 Bitzer-Chair of Refrigeration, Cryogenics and Compressor Technology  
 c/o Christoph Haberstroh  
 Thomas Funke  
 phone: +49/351 463 40728  
 mail: [thomas.funke@tu-dresden.de](mailto:thomas.funke@tu-dresden.de)  
 Web: <http://www.tu-dresden.de/ing/maschinenwesen/iet/kkt/studium/internationale-angebote/ecc>