

Message from the Programme Coordinators

The development of civilisation is linked inextricably with growing demand for electricity. Thus, the still-rapid increase in the level of utilisation of natural resources, including fossil fuels, leaves it more and more urgent that conventional energy technologies and the potential of the renewable energy sources be made subject to re-evaluation. It is estimated that during the last 200 years, more than 50% of the available natural resources have been put to use. Equally, if economic forecasts prove accurate, for at least several more decades, oil, natural gas and coal will still constitute the basic primary energy sources. The alternative solution represented by nuclear energy remains a cause of considerable public concern, while the potential for using renewable energy sources is seen to be very much dependent on local environmental conditions. For this reason, it is necessary to emphasise the impact of research that focuses on further sharpening-up of energy efficiency, as well as actions aimed at increasing society's awareness of the relevant issues.

The study program of the Energy and Environmental Engineering course is prepared in a way that allows students to develop their knowledge and improve their skills. This is realised by the proper design of the study program. The proposed study program is developed based on the long-time experience of academic staff from the AGH University of Krakow and the Shibaura Institute of Technology. The study program is inspired by the best Polish, Japanese and international study programs, as well as Polish and European Qualification Frameworks. Broad social consultations with top companies from the field of engineering, with academic staff, and with students also have an impact on the program.

In line with global trends, we create new interdisciplinary programme of study, which is indispensable for a proper development of science, technology and economy of our countries.

This joint second-cycle (Master) Degree Programme of the Energy and Environmental Engineering will inspire you!

Prof. Janusz Szmyd, D.Sc., Ph.D., Dr.H.C.
Programme Coordinator on behalf of the AGH
Rector's Representative for Cooperation with Japan

Prof. Akito Takasaki, Dr.Eng., D.Sc.
Programme Coordinator on behalf of the SIT
Vice-president of the SIT

Programme Council

Prof. Janusz Szmyd – Chairman (AGH)
Prof. Akito Takasaki – Chairman (SIT)

Members

Prof. Jacek Leszczynski (AGH)
Prof. Yoshihide Suwa (SIT)
Assoc. Prof. Grzegorz Brus (AGH)
Dr. Alicja Klimkowicz (SIT)
Dr. Marcin Mozdziej (AGH)
Ms. Anna Kraszewska (AGH)

www.e3.agh.edu.pl

e-mail: e3@agh.edu.pl

Contact for students:

AGH University of Krakow

Ms. Katarzyna Zielińska

by Email: kzielinska@agh.edu.pl
by Phone: +48 12 617 20 81
by Fax: +48 12 617 31 61
by First Class Mail: Dean's office Building D-4
AGH University of Krakow
30 Mickiewicza Ave.
30-059 Krakow, Poland

Shibaura Institute of Technology

SIT Graduate School Administration Team

by Email: daigakuin@ow.shibaura-it.ac.jp
by Phone: +81.3.5859.7420
by Fax: +81.3.5859.7421
by First Class Mail: Graduate School Section
Shibaura Institute of Technology
3-7-5 Toyosu Koto-ku
Tokyo 135-8548, Japan

EEE Energy and
Environmental
Engineering



Energy and Environmental Engineering

Joint Second-cycle (Master) Degree Programme

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AGH University of Krakow,
Krakow, Poland

and Shibaura Institute of Technology,
Tokyo, Japan



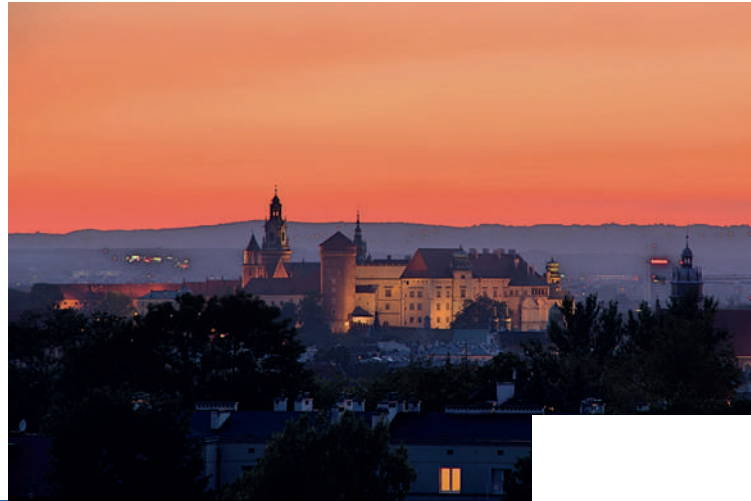
Programme Venue

AGH University of Krakow, Krakow, Poland

AGH University of Krakow (AGH) was established in 1919.

AGH is a modern state university which develops collaboration with colleges and universities in Poland, Europe, and all over the world. The university's priority is the accomplishment of tasks and projects that are part of the knowledge triangle: education – scientific research – innovations. AGH is among 10 winners of the first Polish competition within the framework of the programme "Initiative for Excellence – Research University"

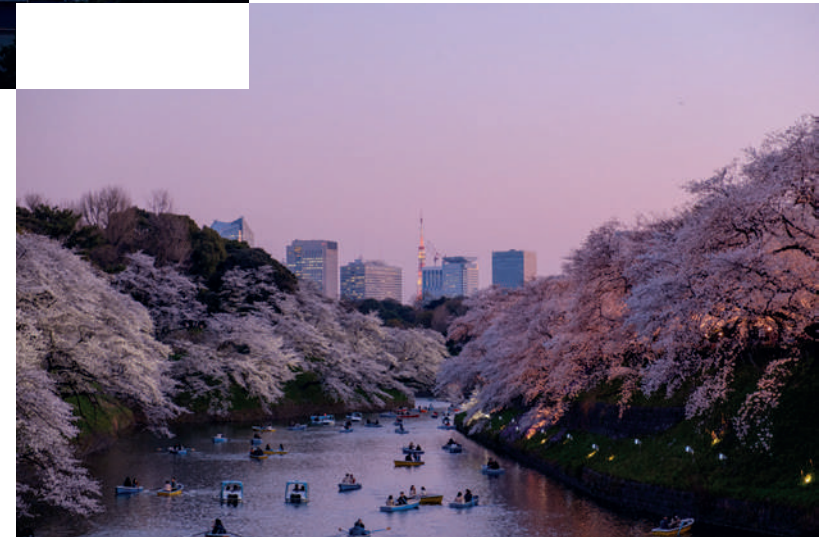
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Host Cities

Krakow, Poland

Krakow is a city of one million people in the very heart of Europe. Poland's former capital, the cradle and the Pantheon of Polish kings, Krakow is a city of reflection and creation, of the Pope and the boheme. Home to one of the oldest universities in Europe, it is also a city of knowledge and learning. Krakow is a city of museums and youth: a city of one hundred thousand university students. It is a city of tolerance, with coexisting diverse cultures, a city of meetings, festivals and conferences – of cafes and restaurants that enchant all those who even for a moment set foot in its old town.



Shibaura Institute of Technology, Tokyo, Japan

The Shibaura Institute of Technology (芝浦工業大学, Shibaura Kōgyō Daigaku), abbreviated as Shibaura kōdai (芝浦工大, Shibaura kōdai), is a private university of Technology in Japan, with campuses located in Tokyo and Saitama (established in 1927). The Shibaura Institute of Technology has been selected by the Ministry of Education, Culture, Sports, Science and Technology (MEXT) for the Top Global University Project.

www.shibaura-it.ac.jp/en/



Tokyo, Japan

Tokyo is the capital and most populous prefecture of Japan. Located at the head of Tokyo Bay, the prefecture forms part of the Kantō region on the central Pacific coast of Japan's main island of Honshu. Tokyo is the political and economic centre of the country, as well as the seat of the Emperor of Japan and the national government. The Greater Tokyo Area is the most populous metropolitan area in the world, with more than 37.393 million residents as of 2020. Tokyo is an international centre of research and development and is represented by several major universities.