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SCHOOL OF ENGINEERING

ISAE4W - International Summer Academy in Engineering for Women

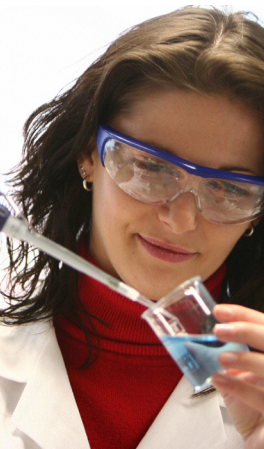
12th – 22nd July 2016
Wels Campus

University of Applied Sciences Upper Austria
Stelzhamerstrasse 23, 4600 Wels
Austria | Europe

www.fh-ooe.at/isae4w



UNIVERSITY
OF APPLIED SCIENCES
UPPER AUSTRIA



Pictures: FH OÖ

What is the ISAE4W?

International Summer Academy in Engineering 4 (for) Women

The government of Upper Austria and the University of Applied Sciences Upper Austria offer a unique opportunity for a selected group of highly-motivated and talented women (high school, college or undergraduate students) to experience top-class and challenging university-level coursework.

The Academy's intensive, two-week programme combines sophisticated theory with hands-on practical experience in engineering and natural sciences. In addition to knowledge transfer in these fields, social, cross-cultural and gender aspects are covered and discussed during lectures and workshops.

Why participate?

- >> Improve language und intercultural skills
- >> International contacts
- >> Broaden technical and scientific knowledge
- >> Creativity, fun and experience
- >> Earn academic credit (4 ECTS)

Essential Information

- >> **Date:** 12th - 22nd July 2016
- >> **Target group:** women from 18 to 25 years
- >> **Language of instruction:** English
- >> **Venue:**
University of Applied Sciences Upper Austria
School of Engineering
Stelzhamerstraße 23, 4600 Wels, Austria | Europe
- >> **Fees:**
€ 780,- including tuition fees, room for the entire stay, meals on weekdays (weekends are free for individual activities), numerous excursions
- >> **Application:** online from now until 30th April 2016
see www.fh-ooe.at/isae4w
- >> **Contact:** isae4w@fh-ooe.at

Selected Topics

Natural Sciences in Time & Space

- >> Development of the natural sciences and world-view from ancient Greece to modern day physics
- >> The physics of space travel
- >> Observing the universe

Applied Sciences in Theory and Practice

- >> Research projects with modern devices and methods at the University of Applied Sciences Upper Austria
- >> Career Talks – successful graduates from the University of Applied Sciences Upper Austria report from their careers in science and technology
- >> Group project – leading-edge technologies and their impact on society
- >> Sustainability – the interconnections of different technological systems and considerations about how changes affect these systems
- >> OpenLab of the University of Applied Sciences Upper Austria

Synthetic Biology

- >> Synthetic biology – promises and dangers for society
- >> General molecular biology – basic introduction into DNA replication and PCR technology

Interesting Places to Visit

- >> Companies: visit to the voestalpine with a tour through the steel production site
- >> Museums: Ars Electronica Center – museum for information technology and technological advancements in society
- >> Cultural highlights in Upper Austria: 30th Pflasterspektakel (street performance festival in Linz)

Specific Topics

- >> Intercultural communication and the role of women in science and research
- >> From the business idea to the successful company



Pictures: Kolpingheim, FH OÖ

We are looking forward to meeting you!



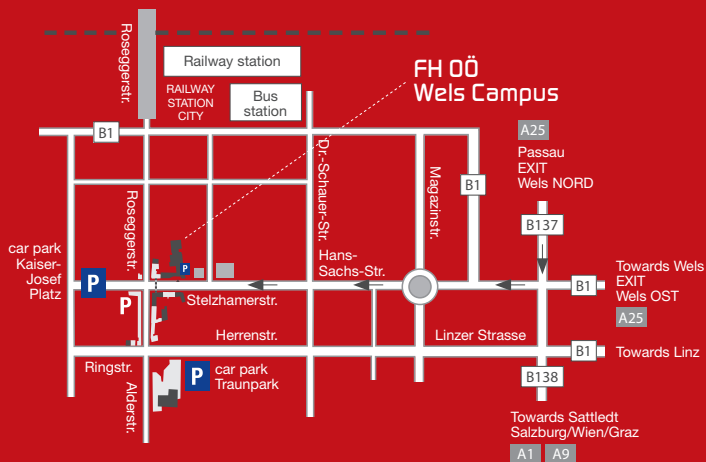


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