

HSRW Engineering Summer School (electrical, electronics, computer engineering)

What: Short Summer abroad Program for HSRW Partner Institutions
Where: Rhine Waal University of Applied Sciences (HSRW) – Kleve (Germany)
Duration: 2 weeks
Dates: August 01 – August 14, 2022
Coordinators: Prof. Andy Stamm - HSRW

Short Program Description: The program consists of a 14 day summer school program at HSRW in Kleve, Germany from 1st August through 14th August 2022. The program is structured into two weeks with the first week offering a course in “Mobile Information Devices” including lectures and labs as well as a one day course in “Nanoelectronics” also including lectures and labs. This first course will be a 5 ECTS course and will be offered by Prof. Stamm running from Monday to Wednesday. The second week will have different daily changing subjects on either Nanoelectronics, Laseroptics, Swarm Robotics, Radio Communication Networks or other topics. The lectures of three of these days will be provided by academics from invited partners. An additional day will covered by an HSRW professor offering an additional subject.

The summer school will be accompanied by different excursions and leisure activities. The planned activities so far are (tentative):

- Friday 5th August Unimicron (PCB manufacturing plant)
- Saturday 6th August Zeche Zollverein (Unesco World Heritage)
- Sunday 7th August free time to explore Kleve city
- Thursday 11th August German Aerospace Center Cologne (morning)
- Thursday 11th August explore the city of Cologne (around lunch time)
- Thursday 11th August Cologne International Airport (afternoon)

The program Itinerary is:

Day #	Day	Date	Activity	Comments
1	Sun	31st July	Arrive into Kleve, Germany	Airports would be either Düsseldorf International (DUS) or Cologne International (CGN)
2	Mon	1st August	08:15 – 09:45 MID lecture 01 10:00 – 11:30 MID lecture 02 11:30 – 12:30 lunch break 12:30 – 14:00 MID lab 01 14:15 – 15:45 MID lab 02	
3	Tue	2nd August	08:15 – 09:45 MID lecture 03 10:00 – 11:30 MID lecture 04 11:30 – 12:30 lunch break 12:30 – 14:00 MID lab 03 14:15 – 15:45 MID lab 04	
4	Wed	3rd August	08:15 – 09:45 MID lecture 05 10:00 – 11:30 MID lecture 06 11:30 – 12:30 lunch break 12:30 – 14:00 MID lab 05 14:15 – 15:45 MID lab 06	

5	Thu	4 th August	08:15 – 09:45 Nanoelectronics lecture 01 10:00 – 11:30 Nanoelectronics lecture 02 11:30 – 12:30 lunch break 12:30 – 14:00 Nanoelectronics lab 01 14:15 – 15:45 Nanoelectronics lab 02	
6	Fri	5 th August	09:00 – 12:00 Excursion to Unimicron 12:00 – 13:00 lunch break 13:00 free time	PCB Manufacturing
7	Sat	6 th August	Excursion to the Zeche Zollverein	https://www.zollverein.de/zollverein-unesco-world-heritage-site/
8	Sun	7 th August	Free time to explore Kleve with its Zoo, city centre, Drainsine	
9	Mon	8 th August	Day 06 – Partner Uni one day event	
10	Tue	9 th August	Day 07 – Partner Uni one day event	
11	Wed	10 th August	Day 08 – Partner Uni one day event	
12	Thu	11 th August	TOUR DAY	German Aerospace Center City of Cologne Cologne International Airport
13	Fri	12 th August	Day 10 – Partner Uni one day event	
14	Sat	13 th August		
15	Sun	14 th August	Depart home	

Some evenings and weekends will include planned and self-guided touring activities. Students will receive a stipend to cover at least parts of their expenses (air travel, lodging and meals). The stipend will be 800 € for European students. A maximum of 6 students per partner can receive this funding.

Academic staff from partners will receive a stipend of 2000€ for European academics if they stay for the whole two week program. The staff should arrive with the students. The academic staff will be immersed in the first week teaching such as providing help within the labs. This will allow the academic to see how HSRW is teaching as well as to talk to other academics about possible research or teaching cooperation's.

Travel

Students and staff will be picked up from airport and taken to the youth hostel in Kleve. Students will share a room, staff will have a private room during their stay. Breakfast is included within the hostel rate. We will also pick students and staff up every morning and take them back to the hostel if requested.

Accommodation

There is one youth hostel in Kleve which we would recommend for your stay

<https://www.jugendherberge.de/jugendherbergen/kleve-449/portraet/>

The rate is 23.90€ per night including breakfast. This will total in **334.60€** for the whole 14 day's stay. Reservations will be arranged by HSRW but must be paid by each person separately.

Meals

Breakfast will be included within the hostel rate.

Lunch will be at our Mensa (refectory) and will be around 5 € for students and 6€ for staff.

Dinner will be around 6€ depending on where you go.

Budget (estimated)

Airline ticket:	depending on the distance
Hostel (14 nights)	335€
lunch	70€
dinner	84€
total estimated cost	489€+airfare
Stipend	800€