



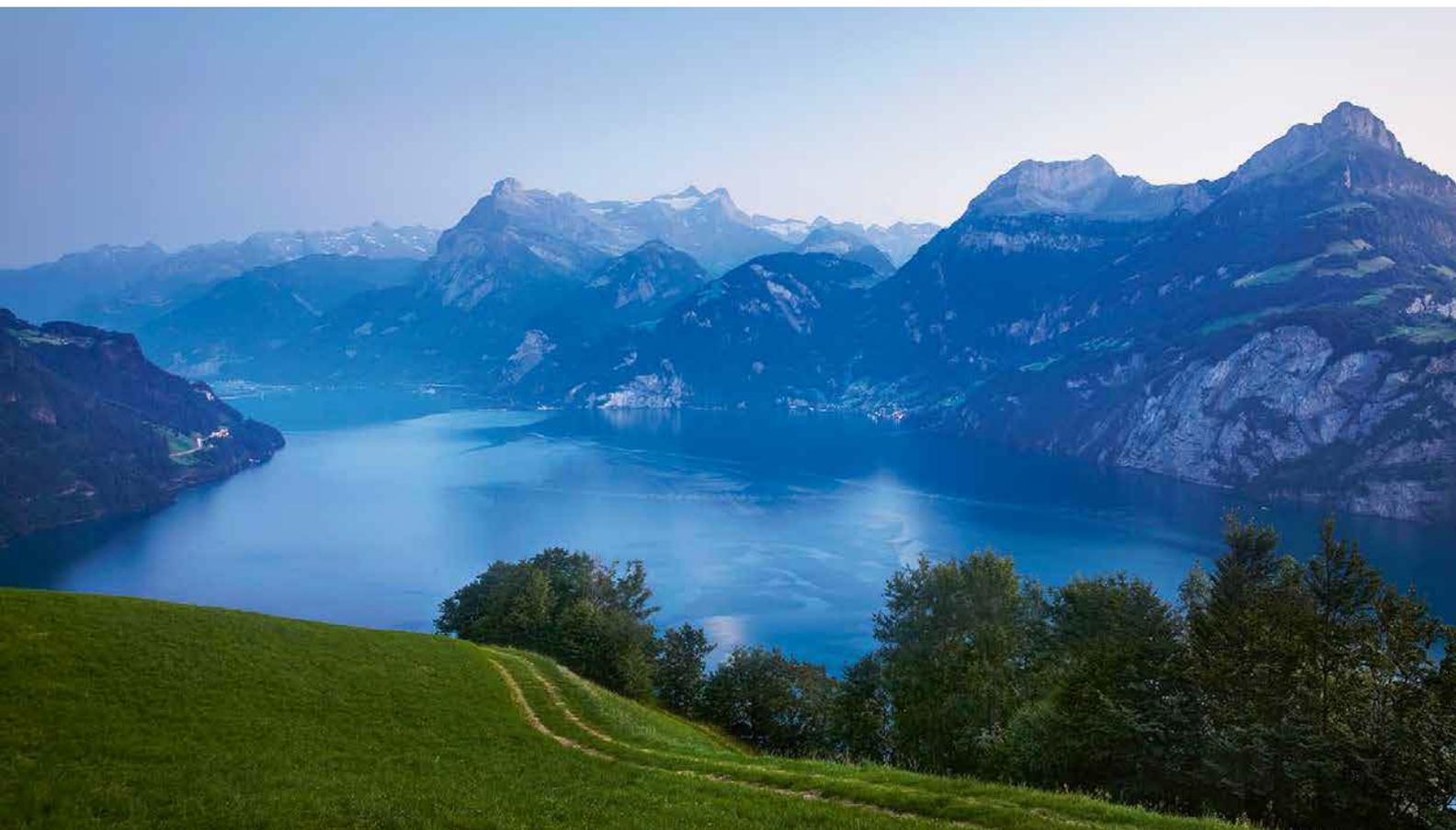
Be a specialist in your field of study, meet students from all over the world and work in multidisciplinary teams! Lucerne University's project-based course on the theme "*Sustainability and Mobility*", will this year be organized by Lucerne School of Engineering and Architecture in the center of Switzerland.

During the course of two weeks, the *Alliance Summer School* is offering you the chance to develop your creative thinking, to be a specialist in your field of research and perform under real-life working conditions. Among other things, you will meet students and teachers from all over the world, work across multidisciplinary fields and acquire useful experience in preparation for the future. Which will also be a good addition to your CV!

Lucerne University of Applied Sciences and Arts – School of Engineering and Architecture is organizing the Alliance summer school in collaboration with its alliance partner universities. Participants will work in small teams where all members combine their knowledge and experience to find exciting solutions to the challenges posed by the project in your area of expertise.

This is also a unique possibility to study and visit Switzerland, experience Swiss culture together with students from various countries. You will experience inspiring lectures around the theme of *Sustainability and Mobility*, where qualified lecturers from all Alliance Partner Universities will share their knowledge. Together with the other students, you will also have the opportunity to see Lucerne and fascinating nature of the Swiss Alps and Lakes, go for day trips and participate in other social activities.

Welcome!





The Alliance Summer School to focus on *Sustainability and Mobility*.

The concept of sustainability includes the three dimensions economy, environment and social aspects of human life. Given the ongoing global change, including climate change and increasing pressure on, and shortage of, natural resources, it is clear that we face challenges of how to build a long-term sustainable society. We will need to reconsider our energy use, resource efficiency, and reduce environmental pressure while maintaining good social interaction. This obviously includes economic challenges. Sustainability in face of the increasing Mobility by everyone is a tremendous challenge for all of us.

The road to sustainability will influence all aspects of human enterprise, from natural resource use to individual life style and various technologies. For a better understanding of this challenge a synthesis of different disciplines is required – some provide the motivation (e.g. ecology, environmental science, risk analyses) while others could be crucial to find solutions (technology, design, economics). This calls for multidisciplinary approaches – something that is rarely included in regular university studies focusing on a single discipline.





Projects

The Alliance Summer Schools offers exciting project-based courses, with a limited number of *places* within each project! If you are interested, please register at your earliest convenience - with your local International Office.

Local Area Mobility for the 21st. Century

In developing a campus suited for the 21st century and beyond, one of the main challenges is to deliver mobility systems that provide those travelling to and from the campus - the means to do so in a smart, societally efficient, and an environmentally suitable manner. Working in teams, the resulting analysis and overall group discussion will give the participants an interdisciplinary and holistic perspective on the factors needing attention to provide long term smart and sustainable mobility solutions.

Consumers living on the go – in search for an innovative solution to reduce plastic waste

What could be an innovative solution for consumers to reduce plastic packaging we buy and dispose on the go? How can we combine urban every day mobility and sustainability?

This will not be a theoretical class room exercise, students are expected to go out, take on a design thinking head and work customer oriented towards a solution.

Planning & Designing...Like Your Life Depended On It

In an integrated examination and design competition, we will consider topics including urban planning; the dramatic changes coming with the four waves of AI; the social, political, and economic impacts of climate change on migration, employment, and design for living; and the most effective policy practices to ensure a robust sustainable future.

Participants will re-imagine, and then design a real-city with real consequences.

Transportation of the Future

To be mobile is an important aspect of our participation in social everyday life. From the perspective of sustainability, we will look and evaluate options for mobility and transportation in the future – first inspiration might offer the video published by Honda (from 2008) addressing “Mobility 2088” (<https://www.youtube.com/watch?v=T8cDaWXsJF8>). Future options range from new ways of city planning to autonomous driving. The aim of the course is to develop and to evaluate ideas for the future.



Schedule and cost for 2019:

SUNDAY July 7th

Arrival

MONDAY July 8th

09.00 Welcome to the Alliance Summer School
10.30 Coffee
11.00 20 important things to know about Lucerne
13.00 Lunch,
14.00 -16:30 Introduction and start of each project

17.00 Dinner preparations by the students. Group 1 (the students will be divided in 4 groups that will prepare dinner during the four first evenings for all participants)
18.30 Dinner and project presentation by responsible lecture +group

TUESDAY July 9th

09.00 Guest lecture,
10.30 Project work
12.00 Lunch and lunch-lecture,
13.00 Project work
17.00 Dinner preparations by the students, group 2
18.30 Dinner
20.00 City walk (optional)

WEDNESDAY July 10th

09.00 Project work
12.00 Lunch and lunch-lecture, thc
13.00 -16.00 Project work
17.00 Dinner preparations by the students, group 3
18.30 Dinner

THURSDAY July 11th

08.30 Project work
12.00 Lunch and lunch-lecture?
13.45 Project work
17.00 Dinner preparation by the students, group 4
18.30 Dinner

FRIDAY July 12th

study visits

SATURDAY July 13th

optional Excursion, all-day event, outdoor activity

SUNDAY July 14th

optional Excursion, all-day event, outdoor activity

MONDAY July 15th

09.00 Project work
12.00 Lunch
13.00 Project work
17.00 Leisure/activity

TUESDAY July 16th

09.00 Preparing posters and presentation for Thursday
12.00 Lunch
13.00 Preparing posters and presentation.
17.00 Leisure/activity

WEDNESDAY July 17th

09.00 Project work and finalizing presentation for Thursday
12.00 Lunch
13.00 Finalizing the project work

THURSDAY July 18th

09.00 Presentation
10.45 Coffee
11.00 Presentation
12.00 Lunch
13.00 Presentation
14.30 Coffee
15.00 Presentation
19.00 Closing dinner

FRIDAY July 19th

10.00 Summing up
11.00 Farwell Coffee

SATURDAY July 20th

Return home

COST: US\$ 990 for

- 13 nights incl. Breakfast (shared rooms and shared bathrooms)
- 4 Dinners at first days (prepared by students, according to schedule)
- Closing dinner & farewell
- Local transportation (greater Lucerne)