

# Hagenberg Campus Summer School on Cross Reality

1-7 July 2024  
School of Informatics,  
Communications and Media,  
Hagenberg



# Summer School on Cross Reality

The Summer School on Cross Reality will be held 1 – 7 July 2024 at our School of Informatics, Communications and Media in Hagenberg. It gives you an excellent opportunity to enhance your knowledge and at the same time explore Upper Austria, meet new people, sketch ideas and expand your network internationally.

We are inviting PhD students and Master's students with a Master's or Bachelor's Degree in Computer Science, Human-Computer Interaction, Media Informatics and related fields to join us for this international event! You can earn 3 ECTS for this summer school.

## Main Focus

Due to the recent developments in Virtual and Augmented Reality hardware we expect to see more and more applications being designed and developed which allow users and data to shift seamlessly along the reality-virtuality continuum. This summer school will be concerned with Cross Reality (CR) and the potential applications which become possible with this technology.

It will introduce the fundamentals of the novel approaches and existing late-breaking research from the field. Cross Reality is an emerging research area which opens up new possibilities of collaboration, interac-

tion and visualization but also poses new challenges considering transitions, interfaces, interaction and the design of such applications. These and other potential challenges and opportunities will be discussed during the summer school.

In the summer school we will dive deep into the novel field of Cross Reality with inspiring talks by international experts and exiting workshops covering a variety of sub-topics such as designing, prototyping, creating, and evaluating single-user as well a collaborative Cross Reality applications. The summer school is designed to inspire and support students in the field which already have an early background or a conceptual idea of Cross Reality.

Thus, we encourage interested students to provide a 2-4 page position paper which will be presented at a mini conference to all participants of the school.

## Tuition fee

Students from partner institutions are free of charge! Students who are not from a partner university have to pay a tuition fee (350€).

All students have to bear the costs for housing and travelling costs.

# Programme

In addition to keynotes and workshops, we will also have a mini conference on the first day where all participants will present their position papers. We would also like to invite you to visit the Ars Electronica Center in Linz, the Freistadt Brewery and a Welcome Reception. For the weekend (July 6 and 7) a visit to the beautiful region „Salzkammergut“ is planned. There are no additional charges for the trips.

## Topics Covered

- Designing and prototyping cross reality applications
- Evaluation of cross reality
- Hybrid user interfaces along the reality-virtuality continuum
- Transitions in cross reality
- Cross reality interaction and interfaces
- Local and remote collaboration along the reality-virtuality continuum
- User representation in cross reality

## How to apply

Please send an e-mail to [international@fh-hagenberg.at](mailto:international@fh-hagenberg.at). You will then receive a personalized registration link to our online application portal and be asked to upload:

- your current CV/Resume
- a 2-4 page position paper plus references (further details below)
- a Transcripts of Records
- a scan of your passport

### **Application deadline: 30 April 2024.**

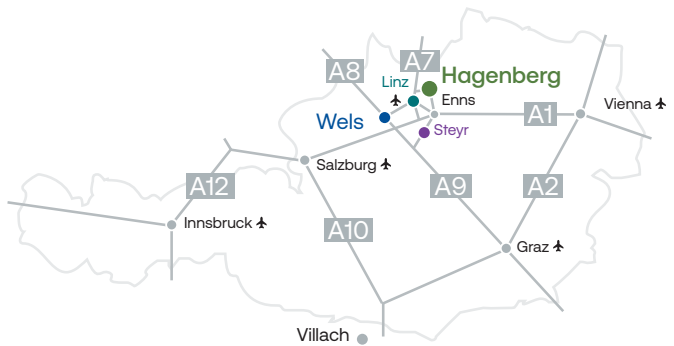
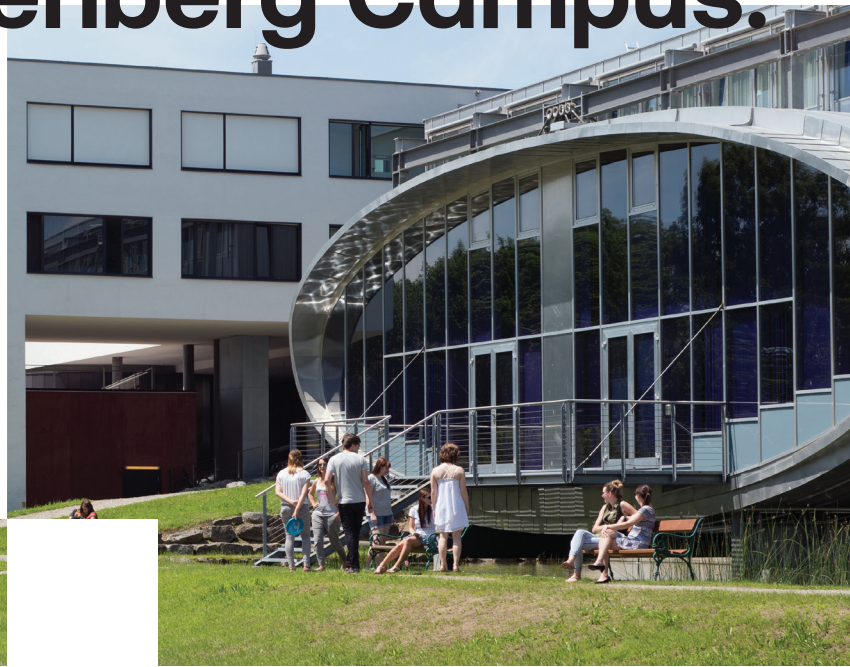
Please note that due to limited capacities a total of four students per institution can be accepted. Competitive entry: We reserve the right to decline applicants. Applicants will be notified about the outcome of the review and selection process by mid May 2024. Once you have been accepted for the summer school, a single room in the dormitory on Campus will be automatically reserved for you. Please note that it is the student's obligation to take care of visa arrangements for entry and the duration of their stay in Austria. For information about the visa requirements check the OeAD website <https://oead.at/en/to-austria/entry-and-residence/>.

## Position Paper

Most of the first day of the summer school will be held in mini conference format. To participate, you'll have to write a position paper on your current cross reality activities or interests and submit it in PDF format via our online application portal by **30 April 2024**.

Topics include but are not limited to those listed above. Please strictly follow the template: <https://www.latextemplates.com/template/journal-article>. Your paper will then be peer-reviewed in a single-blind process. In case of a positive review and your successful application to the event it will be presented by you at the first day of the summer school.

# Visit us on Hagenberg Campus.



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