

Sense Adapt Create

Exploring Environmental Sensing, Data Driven
Design, Mapping and Visualization

Interdisciplinary Summer School
Ghent, Belgium - September 5 -15, 2022

website: creativemakers.xyz
contact: summerschool@creativemakers.xyz

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Today's increasingly connected and complex world, requires attitudes, entrepreneurial skills, and knowledge that transcend individual disciplines. This Summer School will provide an interdisciplinary platform for students to acquire the necessary skills by adapting STEAM (Science, Technology, Engineering, Arts and Mathematics) principles.

Students from Engineering, Architecture, and Arts, will enhance their skillset by collaborating on a joint and multidisciplinary project. Within this project, hidden layers of the environment are explored through the use of technology, allowing to sense its invisible aspects. We will work with sensors and various other technologies to scan environments. The gathered data will be processed in a creative manner to establish a narrative via time-based media and animation.

Organization Team

dr. Gilles Callebaut¹, dr. Corneel Cannaerts^{2,3}, drs. Weronika Gajda^{1,2}, dr. Liselotte Vroman² and Joris Putteneers²

With contribution and supervision of Kasper Jordaens⁴, prof. Christophe Barlieb^{3,5}, Dimitri Coppens¹, prof. Anders J Johansson⁶ and other invited lecturers.

When?

Arrival: before September 5th 2022

Summer school: September 5th-15th 2022

Departure: after September 15th 2022

Where?

On different locations in and around Ghent (TBC). Amongst others: Kasteel "Ter Beken", Mariakerke; Campus Sint-Lucas, Ghent and Ghent Technology Campus. Accommodation for participants is provided during the period of the Summer School.

Application and Deadlines

Eligible for participation are all (international) 3th Bachelors or Master students in the fields of Architecture, Urban Design, Arts and Engineering, as well as young researchers and recent graduates coming from the aforementioned fields.

Deadline for application: June 6th 2022

Confirmation of acceptance: June 27th 2022

Interested candidates should send their CV, a motivation letter (maximum 300 words in English), including a link to a portfolio (if relevant) to:

summerschool@creativemakers.xyz

Fee

Students enrolled in programmes at participating universities are exempt from registration fees.

Fee for other participants: 250 EUR.

The participation fee is paid only when the registration is approved.

Certification

All participants receive a certificate of participation (3 ECTS credits). Students of the Faculty of Architecture validate participation in the follow-up track via the elective 'Participation in International Projects' in the following semester.

¹ Faculty of Engineering Technology, KU Leuven, Belgium

² Faculty of Architecture, KU Leuven, Belgium

³ Fieldstations.net

⁴ LUCA, School of Arts, Association KU Leuven, Belgium

⁵ Faculty of Architecture, OTH Regensburg, Germany

⁶ Faculty of Engineering, Lund University, Sweden



Overall, by participation one will learn to collaborate with other disciplines and achieve some particular skills such as:

- using sensors and various technologies to scan our environments
- processing data through integrating it within creative processes
- working with time-based media and animation and create a narrative

The Summer School frames within a broader project called “Creative Makers”, which aims to connect different creative disciplines through emerging technologies. As such, learning results from interdisciplinary cocreating, discussing and reflecting. As we are committed to making this a long-term initiative and organising this Summer School annually, next to several other multidisciplinary initiatives (e.g. invited guest lecturers, elective course, etc.), to establish STEAM learning within each of the involved disciplines.

More Information

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