

Climate-friendly practices in the construction industry

Target group:

Civil Engineering
Students (3rd year)
Master & PhD students
Post-doctoral
researchers
Professionals

**Maximum
number of
participants:**

50 (first-come,
first-served)

Language: English

Format: In person

Cost: Participation is free of
charge!

Date and Time:

3 days
July 2026

Place: CUAS; Villach campus and
laboratories

Get an impression: [Villach campus](#)
and [laboratories](#)
[FuCoSo – Future Concrete Solutions](#)
[Villach - the lively town on the River](#)
[Drau](#)

The Summer School on Climate-friendly practices in the construction industry is a unique program designed for university students and industry professionals who are eager to shape the future of sustainable construction. This intensive three-day experience combines expert-led lectures, hands-on laboratory training, and real-world case studies from leading companies and institutions. Participants will explore cutting-edge topics such as low-carbon cement alternatives, ultra-high-performance concrete, sustainable structural design, and advanced materials for repair and retrofitting. Hosted in collaboration with academic and industrial partners, and with a special focus on innovative eco-efficient structural solutions, this summer school offers a powerful platform to deepen your expertise, expand your network, and contribute to the ecological transition in civil engineering.

*ECTS (with workshop project delivery) and Certification to participants

Schedule

Times	Day 1 – 8 th July 2026	Day 2 - 9 th July 2026	Day 3 - 10 th July 2026
8:45-9:00	Welcome (N. Randl & A. Georgiou, CUAS)		
9:00-10:30	K. Bergmeister (BERGMEISTER S.R.L.): <i>Ecofriendly, low-emission and recyclable structural solutions</i>	G. Somma, E. Runcio (University of Udine): <i>Sustainable concrete: strength and durability for different solutions</i>	A. Georgiou (CUAS): <i>Pre-selection design charts for sustainable structures</i>
10:30-10:45	Coffee break		
10:45-12:15	N. Randl (CUAS): <i>Sustainable repair of concrete slabs with Ultra High Performance Concrete Overlays</i>	C. Stotter, L. Lechner (Alpacem GmbH): <i>Sustainable cement production</i> Friul Julia Appalti S.r.l.: <i>Management and Treatment of Waste Materials for Reuse in the Construction Industry</i>	T. Meszöly (CUAS): <i>Experimental demonstration of sustainable design of beams + New Austrian Guideline on UHPC: Materials, Construction, Structural Design</i>
12:15-13:30	Lunch Break		
13:30-15:00	A. Basso (Antonio Basso S.p.A.): <i>Sustainable development of pre-cast concrete elements</i>	X. Shen (CUAS): <i>Development of low carbon emission Ultra High Performance Concrete</i>	Workshop – Case Study: <i>Ecofriendly Design (In groups under the supervision of the consortium)</i>
15:00-15:15	Coffee break		
15:15-16:45	S. Pliger (ISB Institut Südtiroler Baustofftechnologie KGmbH): <i>Sustainable recycling concrete – Examination of recycled aggregates and concrete characteristics</i>	L. Azdejkovic (CUAS): <i>Sustainable retrofit with textile reinforced concrete and short fibres</i>	Workshop – Case Study: <i>Ecofriendly Design Presentation of results from participants</i>
16:45-18:00	LABORATORY: Practical Training on destructive and non-destructive testing for sustainability (CUAS+ISB)	LABORATORY: Application of TRM and experiments (CUAS: L. Azdejkovic and D. Gergov)	LABORATORY: Ultra High Performance Concrete - Mix, casting and experiments (CUAS: X. Shen, T. Meszöly)

Organizers

