RILEM SPRING CONVENTION 2026

Innovative Construction Materials and Processes for Sustainable Buildings and Infrastructure

PROGRAM RILEM MEETINGS

Monday 13 - Tuesday 14 April

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Welcome!

About two decades after the 2007 RILEM Week in Ghent, we are very happy to welcome the RILEM community again in Ghent, now for the 2026 Convention. We are proud to combine the organisation of the RILEM Convention and Conference with the centennial anniversary of the Magnel Laboratory of Ghent University, established in 1926, reorganized and renamed in 2020 to become the Magnel-Vandepitte Laboratory. We organize the RILEM Convention and Conference in honour of the late professor Gustave Magnel (1889-1955), world pioneer in reinforced and prestressed concrete, and the late professor Daniël Vandepitte (1922-2016), renowned expert in structural analysis and bridge design.

We are confident that the RILEM Spring Convention 2026, organized by the Magnel-Vandepitte Laboratory at Ghent University, offers a unique opportunity to share knowledge, exchange ideas, and contribute to the future of sustainable infrastructure. While studying sustainable infrastructure, we also selected to organize this important event in a sustainable way, respecting our environment, climate and resources as well as all the participants and the local community.

We thank all participants, contributors, partners, sponsors, staff and co-workers for making this event a memorable and impactful experience. This brochure gives a quick overview of the programme. Do not hesitate to contact our staff and co-workers to help you finding your way through the programme and to your desired meeting or session. We wish you a very successful and pleasant RILEM Convention!

Prof. Nele De Belie & Prof. Geert De Schutter

Chairs of the 2026 RILEM Spring Convention & RILEM Conference on Innovative Construction Materials and Processes for Sustainable Buildings and Infrastructure

Magnel-Vandepitte Laboratory, Ghent University

Monday 13 April 2026 - Building 126 iGent, 1st floor				
	Building iGent, meeting room 1.1 Helmholtz	**Building iGent, meeting room 1.2 Maxwell**	**Building iGent, meeting room 1.3 Shannon**	**Building iGent, meeting room 1.4 Turing**
8:30-10:00	**MS BoE**		**TC DOC** "Degradation of organic coating materials and its relation to concrete durability"	
10:00-10:30	**Coffee in Foyer, Building iGent**			
10:30-12:00	**TAC**	**DAC**	**TC DOC** "Degradation of organic coating materials and its relation to concrete durability"	**TC 318-BEC** : Bio-stabilised earth-based construction: performance-approach for better resilience
12:00-13:00	**Lunch in Foyer, Building iGent**			
13:00-15:00	**TAC**	**DAC**	**TC 292-MCC** : Mechanical Characterization and Structural design of Textile Reinforced Concrete	**TC RCC** : Rolled compacted concrete for pavement applications
15:00-15:15	**Coffee in Foyer, Building iGent**			
15:15-16:45	**TAC**	**DAC**	**TC 292-MCC** : Mechanical Characterization and Structural design of Textile Reinforced Concrete	**TC CSA:** 'Calcium sulfoaluminate-based cement and concrete'
16:45-17:00	**Break**			
17:00-18:30	**RTL BoE**			**TC CSA**: 'Calcium sulfoaluminate-based cement and concrete'
19:30-22:00	**RILEM Banquet in City Center (for registered RILEM Officers)**			

Monday 13 April 2026 - Building 60 Magnel				
	Building Magnel, auditorium Magnel (A), 1st floor	**Building Magnel, meeting room Riessauw, 1st floor**	**Building Magnel, lecture room UGain, ground floor**	**Building Magnel, lecture room 2, ground floor**
8:30-10:00				
10:00-10:30	**Coffee in Foyer, Building iGent**			
10:30-12:00		Springer Author Workshop		
12:00-13:00	**Lunch in Foyer, Building iGent**			
13:00-15:00		**TC 320-PEM**: "Processing of earth-based materials"		
15:00-15:15	**Coffee in hall near meeting room Riessauw, Building Magnel**			
15:15-16:45				
16:45-17:00	**Break**			
17:00-18:30				
19:30-22:00	**RILEM Banquet in City Center (for registered RILEM Officers)**			

Tuesday 14 April 2026 - Building 126 iGent, 1st floor				
	Building iGent, meeting room 1.1 Helmholtz	**Building iGent, meeting room 1.2 Maxwell**	**Building iGent, meeting room 1.3 Shannon**	**Building iGent, meeting room 1.4 Turing**
8:30-10:00		**DEV**		
10:00-10:30	**Coffee in Foyer, Building iGent**			
10:30-12:00		**BUR**		
12:00-13:00	**Lunch in Foyer, Building iGent**			
13:00-15:00	**TC 302-CNC**: 'Carbon-based nanomaterials for multifunctional cementitious matrices'	**BUR**	**TC IAQ** : Impact of Building Materials on Indoor Air Quality	**TC 321-UMW** : Upcycling Powder Mineral “Wastes” into Cement Matrices
15:00-15:30	**Coffee in Foyer, Building iGent**			
15:30-17:30	**TC 302-CNC**: 'Carbon-based nanomaterials for multifunctional cementitious matrices'	**BUR**	**TC IAQ** : Impact of Building Materials on Indoor Air Quality	**TC 321-UMW** : Upcycling Powder Mineral “Wastes” into Cement Matrices

Tuesday 14 April 2026 - Building 60 Magnel				
	Building Magnel, auditorium Magnel (A), 1st floor	**Building Magnel, meeting room Riessauw, 1st floor**	**Building Magnel, lecture room UGain, ground floor**	**Building Magnel, lecture room 2, ground floor**
8:30-10:00	**TC 305-PCC** : Pumping of concrete	**TC 309-MCP** : Accelerated Mineral Carbonation for the production of construction materials		**TC MCA**: 'Mechano-chemical activation of cementitious constituents'
10:00-10:30	**Coffee in Social Room, Building Magnel**			
10:30-12:00	**TC 305-PCC** : Pumping of concrete	**TC 309-MCP** : Accelerated Mineral Carbonation for the production of construction materials		**TC MCA**: 'Mechano-chemical activation of cementitious constituents'
12:00-13:00	**Lunch in Foyer, Building iGent**			
13:00-15:00	**TC 317-ACP** : Active Control of Properties of Fresh and Hardening Cementitious Materials	**TC 313-MMS** : Modelling and experimental validation of moisture state in bulk cementitious materials and at the steel-concrete interface		**TC CUC**: 'Carbon dioxide uptake by concrete during and after service life'
15:00-15:30	**Coffee in Social Room, Building Magnel**			
15:30-17:30	**TC 317-ACP** : Active Control of Properties of Fresh and Hardening Cementitious Materials	**TC 313-MMS** : Modelling and experimental validation of moisture state in bulk cementitious materials and at the steel-concrete interface	**TC 315-DCS:** 'Data-driven concrete science'	**TC CUC**: 'Carbon dioxide uptake by concrete during and after service life'

Two workshops will also be organized on Tuesday 14 April as part of the meetings of TC 305-PCC and TC 317-ACP. The detailed program of the workshops can be found on page 10. Feel free to attend the presentations!

MAP RILEM MEETINGS

Street address

Technologiepark-Zwijnaarde,
9052 Gent (Zwijnaarde)
Building 60 = Magnel building
Building 126 = iGent building

The registration desk is in Building 126 iGent

Getting around

Walking – In case you are also attending the Conference later this week, we can inform you that the conference venue is within walking distance to the city center (15 to 20 minutes walking). Unfortunately, walking to the Technology Campus for the RILEM Meetings on Monday and Tuesday will take somewhat more time (about one hour, 5 to 6 km). So, it is better to take public transport or to take a bike.

Bike – Ghent is a city full of bikes. If you want to feel the student vibe, take the bike to reach your destination within the city center. You can find shared bikes around the city, or you can rent a bike in some of the bike shops. Just be careful when you drive your bike along a tram track. Always cross a tram track with a sufficiently high angle to avoid getting your wheel stuck within the track!

Public Transport – Ghent has a reliable system of busses and trams. If you don't walk or cycle, you can take public transport, e.g. to commute between the city center and the railway station ('Gent Sint-Pieters'), or to go to the Technology Campus ('Technologiepark-Zwijnaarde'). There are frequent connections between the railway station 'Gent Sint-Pieters'' and the Technology Campus 'Technologiepark-Zwijnaarde'. Route planning is available via the website of De Lijn (https://www.delijn.be/en/routeplanner/), or their mobile app.

Taxi – You can also call for a taxi in Ghent. Be aware that at rush hour, getting a taxi might take some time.

V-tax Lybaert: +32 9 222 22 22

Taxi Gent: +32 468 22 22 22

Taxi4you: +32 487 11 22 33 (100% Electrical taxis)

Train to the Airport – The best option to reach Brussels Airport is to take the train. Good connections are available from the railway station ('Gent Sint-Pieters'). Some trains have direct connections with the airport. Another good option is to take a train to Brussels South Station ('Brussel Zuid', or in French 'Bruxelles Midi'), and change trains there to reach Brussels Airport. Taking a taxi to the airport is not advisable because of road construction and traffic issues near the airport. And a taxi to the airport will be rather expensive…

Workshops as part of TC-meetings

Tuesday 14 April, Building 60 'Magnel', Auditorium Magnel, 1st floor

Tuesday 14 April, 10:30-12:00

Workshop of RILEM TC 305-PCC 'Pumping of Concrete'

10:30-10:35	Introduction of workshop	Geert De Schutter
10:35-11:10	Overview of RILEM TC 305: PCC STAR	
10:35	General overview	Dimitri Feys
10:40	Chapter 4: Concrete in pipes: a theoretical background	Daniil Mikhalev
10:50	Chapter 6: Pressure predictions and parameters	Arnaud Perrot
11:00	Chapter 7: Effect of pumping on concrete properties	Dengwu Jiao
11:10-11:35	Concrete Process Digitalisation in Mega Projects	Bernd Rottmann
11:35-12:00	A practical tool for pumping concrete pressure prediction in the construction industry	Fabrice Toussaint
12:00	Closure	Dimitri Feys

Tuesday 14 April, 13 :00-16 :15

Workshop of RILEM TC 317-ACP 'Active Control of Properties of Fresh and Hardening Cementitious Materials'

Workshop Part I – Overview of the State-of-the-Art Report		
13:00-13:15	Welcome Chapter 1 'Introduction to Active Control of Properties of Fresh and Hardening Cementitious Materials' Chapter 2 'Glossary'	Geert De Schutter
13:15-13:30	Chapter 3 'Active Control of Rheology of Cementitious Materials'	Dengwu Jiao
13:30-13:45	Chapter 4 'Active Control of Setting of Cementitious Materials'	Shravan Muthukrishnan
13:45-14:00	Chapter 5 'Active Control of Concrete Shrinkage and Associated Cracking'	Eleni Korda
14:00-14:15	Chapter 6 'Active Control of Concrete Pumping'	Mert Yücel Yardimci
14:15-14:30	Chapter 7 'Active Control of Formwork Casting of Cementitious Materials'	Angela Tetteh Tawiah
14:30-14:45	Chapter 8 'Active Control of 3D Printing of Cementitious Materials'	Yi Zhang
14:45-15:00	Chapter 9 'Active Control of Cementitious Slabs and Roads'	Didier Snoecks
Workshop Part II – Free presentations		
15:30-15:50	Active rheology control of cementitious materials: New insights from magneto-responsive aggregates	Yiyuan Zhang
15:50-16:10	The combined use of co-milling and superabsorbent polymers (SAPs) as a method for producing active, ready-to-use cementitious materials'	Dali Bondar
16:10-16:15	Wrap-up of workshop	Geert De Schutter

Feel free to attend!

Notes

Department of Structural Engineering and Building Materials

Magnel-Vandepitte Laboratory

Technologiepark-Zwijnaarde 60

9052 Ghent (Zwijnaarde)