

**2025
2026**

**ISSUE
6**



 MaChTazine
Materials Science &
Chemical Technology



**Coming
soon**



**06/05
MaChT on track**

Time to say goodbye

And just like that, we've come to the final edition of this year's MaChTazine. It's been a year full of ideas, collaboration, and plenty of memorable moments along the way. Whether you joined activities, cracked the puzzles, or simply flipped through these pages, you've been part of what made this year special, so thank you.



As we close this chapter, it's time to pass things on to a new team. In this edition, you'll get to meet the next MaChT board, who are ready to take over and bring their own energy and ideas. We're excited to see how they'll shape the year ahead and continue the story of MaChT in their own way.

For now, we'll leave you with this final issue and wish you all a well-deserved break and a great start to what comes next.

XOXO

Your MaChT Board:

Astrid Notebaert, Florian Herremans, Marie Dewulf, Jenti Van Mol, Jona Goossens, Alex Zirung Dong, Jan Mylemans, Felix Vuijlsteke, Zeno Coppens, Thorben Kestelyn, Camille Castelain, Yara Wollaert, Maurane Van Eetvelde, Floor Claes, Arthur Vandenameele & Morgane Vanhee



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On the agenda



**MaChT
on Track**

06/05

Time to hit the track, MaChT goes full speed ahead! Whether you race like a pro or just floor it for fun, this is your moment to shine.

Company of the Month

With **Company of the Month**, you get the chance every month to discover companies, gain valuable insights and win great prizes.

Each month, a featured company introduces itself and presents an original challenge: from logic puzzles to creative experiments or something completely unexpected.

Take on the challenge, tear out the page, and drop it in one of the **MaChT submission boxes** in **buildings 46, 70A, or 125** (exact locations can be found in previous MaChTazines). After the deadline, one winner will be selected at random.

Follow us on Instagram **@MaChT** for updates, sneak peeks, and winner announcements. Good luck & give it your best shot!

Contact us:

If you have any questions during the year, you can always find us at the Technology campus in Zwijnaarde or send us an email to MaChT@UGent.be.



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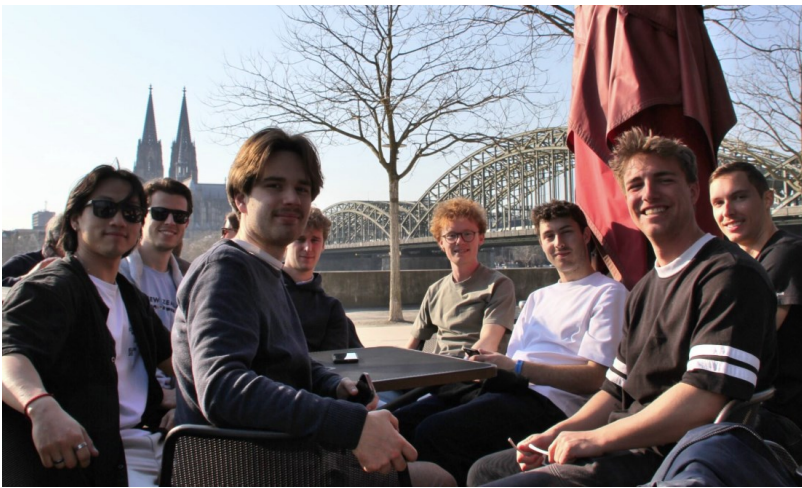
macht@ugent.be

For more information about our organisation, you can visit our website: www.macht.ugent.be.

Cathedrals, Kölsch and MaChT Energy

From lectures to lager, MaChT took over Cologne for a few unforgettable days. Between exploring the city's historic streets, admiring the iconic cathedral, and visiting Schmidt + Clemens Group for a behind-the-scenes look into the industry, the trip struck the perfect balance between culture, learning and chaos. Of course, no visit to Köln is complete without a few Kölsch beers, late nights, and stories that will live on in MaChT history.







Incoming

@macht.gent

/macht.gent

/company/macht

MACHT ON TR CK



6 MAY 2026 19:15

E-KART

DOK-NOORD 7, 9000 GENT

**HIT THE TRACK &
UNWIND WITH A DRINK €18**

**CLAIM YOUR SPOT AT OUR WEBSITE &
JOIN THE RACE**



Racing Like a Real-Life Mario

Whether you're a seasoned speed demon or someone whose only racing experience comes from blue-shelling your friends in Mario Kart, our final event of the academic year is your moment to shine. Karting may look simple: sit, steer, send it, but beneath the surface lies a beautiful blend of physics, materials, and pure chaotic fun. In other words: the perfect playground for a chemical engineer or materials scientist.

1. Weight Distribution

In a kart, *you* are the biggest moving mass, so even small shifts in posture influence grip and stability. Lean slightly into corners to load the outside wheels, keep your torso low to reduce drag, and avoid abrupt movements. Smooth weight transfer keeps the tires in their optimal friction window, a tiny materials science victory at every turn.

2. Cornering

The fastest line through most corners is a wide entry, tight apex, and wide exit. This smooth arc preserves momentum and keeps the kart stable. Sharp zigzags may feel dramatic, but they waste speed. Treat each corner like a flow optimization problem: minimal turbulence, maximal efficiency.

3. Throttle Control

Instead of flooring it like in Mario Kart, build up acceleration gradually after the apex. If the rear starts to slide, ease off slightly rather than panicking. Smooth inputs keep the tires within their friction limits, a real-life demonstration of tribology that even Mario would respect.

4. Overtaking & Awareness

Clean overtakes happen on corner exits where you naturally carry more speed. Look far ahead, anticipate traffic, and defend by holding the inside line rather than weaving. Confidence helps, but controlled decision-making wins races & keeps you out of the tire barriers.

Karting is the perfect mix of engineering intuition and pure adrenaline. Whether you're aiming for the podium or just trying not to be lapped by your friends, these tips will help you navigate the track with more finesse and maybe even a bit more speed. And who knows: master the circuit like a true Mario and you might just impress your own Princess Peach along the way.

Sips & Stories

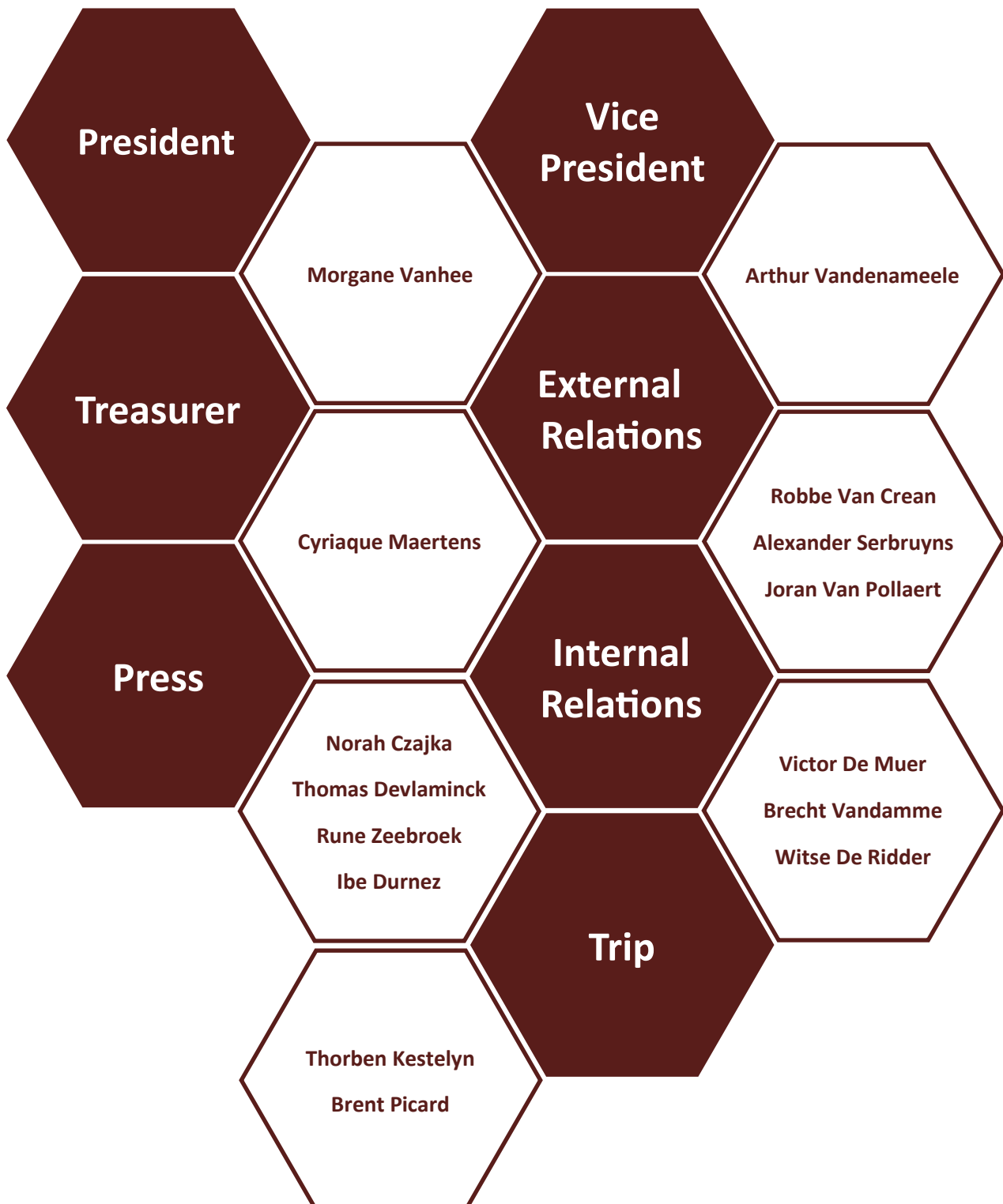
Our cocktail night brought everyone together for an evening in Delta filled with laughter, good drinks and memorable moments. A glimpse into a night we won't soon forget.



The Next Gen of MaChT

All good things must come to an end, and as this academic year draws to a close, we look back on a whirlwind of unforgettable memories and shared successes. It has been an absolute privilege to steer this association, but every great reaction needs a new catalyst.

With immense pride and excitement, we present the team that will carry the torch forward and lead MaChT into the next chapter!



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We exist to nourish the world in a safe, responsible and sustainable way.

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If you are interested in joining our team, please check <https://careers.cargill.com>

Pole Position Puzzle

Strap on your helmet, start your engine, and race your way through this binary grid challenge! Follow these track rules to claim your spot on the podium:

- Use only two types of fuel: 0 & 1, no other pit stop options allowed
- Every row and every column must keep the race fair: an equal number of 0s and 1s must cross the finish line
- Safety first on the track: no more than two identical numbers may drive side by side or one after another, no long trains of 0s or 1s allowed

								1	1
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	0						1		
1			1		1		1		
						1		1	
1		1			0				
		1							
			0			0		1	
0		1		0					0

Deposit this page with your answers in any **MaChT box** or send an **email to MaChT@UGent.be** before the **13th of May!**

Name: _____

Email: _____

Less CO₂, More IQ

What happens when you bring together industry experts, ambitious students, and a few boxes of pizza? A successful **MaChT Lecture Night**.

Representatives from BASF and ArcelorMittal shared their insights on how major industrial players are tackling CO₂ reduction and working towards a net-zero future. From innovative technologies to long-term strategies, the talks gave a realistic look at the challenges and opportunities within sustainable industry.

In between the sessions, we recharged with pizza and good conversations because big ideas require proper fuel. A special thanks to the speakers and companies for sharing their expertise and making this evening possible.

“Cutting emissions faster than we cut pizza”



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DOW in focus



Dow in the Benelux

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Dow combines chemistry, biology and physics to create the innovative products in several key markets. We provide forward thinking and innovation to markets all around the globe with solutions that are essential to human progress. The location of Dow Benelux provides essential access to European markets, allowing for effective distribution of materials across the region. This strategic positioning and a skilled workforce have allowed Dow Benelux to establish itself as a leader in innovation and sustainability within the chemical sector, contributing to the advancement of various industries and supporting the global transition to more sustainable and efficient materials.

Start your career journey with Dow as a recent graduate!

Whether through our entry-level positions or our dynamic graduate programs, we offer diverse career opportunities to explore and pursue your passion. Join us for a rewarding professional experience.

Visit <https://nl.dow.com/en-us/careers.html> for more information!

No Time for Blank Squares

Exams are approaching quickly, so no long breaks, just a quick mental reset before getting back to work. Keep your focus sharp and your logic sharper! Fill in the grid so that every row, every column, and every 3×3 box contains all numbers from 1 to 9 exactly once.

							7	
	7	8				2		
		6			5		8	
5				6				
	2				4			
1						4		9
			8	7	6			
			2					3
			5				1	2

Deposit this page with your answers in any **MaChT box** or send an **email to MaChT@UGent.be** before the **13th of May!**

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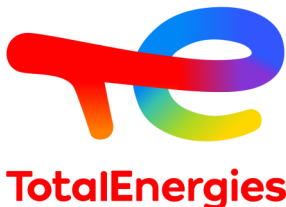
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