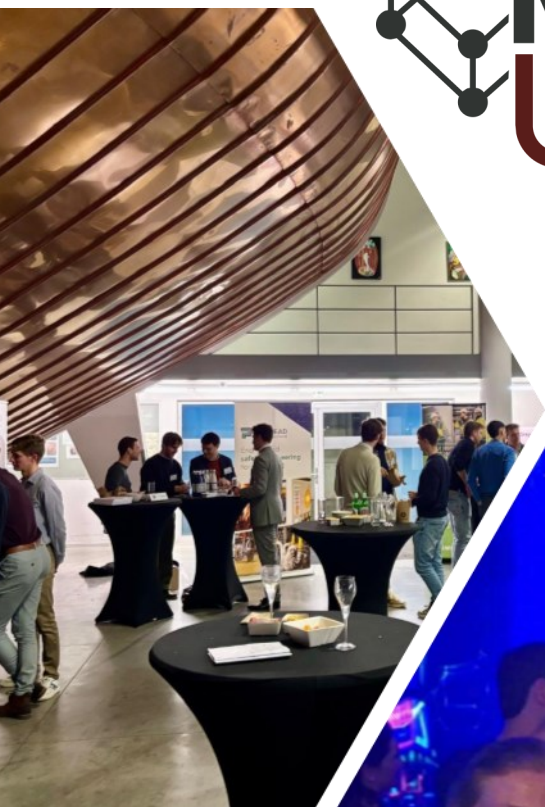


**2025
2026**

**ISSUE
5**



**Be ready
to party**



**01/04
Sip Night**

Welcome to the MaChT Family

Hey there! MaChT has been buzzing with exciting events lately and we're happy to share all the highlights with you in this edition of the MaChTazine.



MACHT.GENT

Get ready for more nights filled with fun, laughter and great company. Challenge your friends in our thrilling quiz, enjoy some delicious cocktails and dive into the lively atmosphere of the Zwijnaardse Feesten. Whether you're in it to win, to relax after a long week, or simply to enjoy the festive vibes, there's something for everyone.

So gather your friends, bring your competitive spirit and make the most of what MaChT has to offer. These are the moments that make student life unforgettable and we can't wait to experience them together with you. Don't miss out and be sure to **follow us on Instagram** to stay up to date with everything MaChT has planned!

On the agenda



MaChT Trip

18/03/2026

-

21/03/2026

The iconic study trip is back and ready to take Master's students on an unforgettable adventure. **We're off to Cologne!**



CMM Quiz

23/03/2026

An evening of questions, strategy and good vibes awaits. Challenge your friends, trust your instincts, and show off what you know in a competition where every answer brings you closer to victory.



Cocktail Night

01/04/2026

Raise a glass at **Delta's yearly cocktail night**, where creative drinks, good conversation and a vibrant mood come together.



Zwijnaardse Feesten

21/04/2026

Zwijnaardse Feesten are back again! New to Zwijnaarde? Join us for a lively day with entertainment, delicious food, cool drinks and great company.

Company of the month

Looking to step beyond the classroom and connect with real-world engineering?

Our **Company of the Month** program is the perfect opportunity to get involved, explore industry insights, and even win some great prizes along the way.

Every month, a featured company introduces itself and presents a unique challenge, ranging from tricky logic puzzles to creative experiments or something totally unexpected.

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

Follow us on **Instagram (@MaChT)** for updates, sneak peeks and winner announcements. Good luck and may the best engineer win!

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.gent](https://www.facebook.com/macht.gent)



[/company/macht](https://www.linkedin.com/company/macht)



macht.ugent.be



macht@ugent.be

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



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 /company/macht

CMM QUIZ



23 MAR 2026

CHECK-IN: 18:30

BRAINPOWER: 19:00

THERMINAL

HOVENIERSBERG 24, 9000 GENT

**FIND YOUR SQUAD OF 4 &
SIGN UP ON OUR WEBSITE**

SPONSERD BY:



**CENTER FOR
MOLECULAR MODELING**

How to win the CMM Quiz?

The **CMM Quiz** is coming up, the one night where students in Chemical and Materials Engineering can prove that years of studying phase diagrams and reaction mechanisms were actually useful. The quiz combines knowledge from the programme with completely random facts about the world. In other words: anything you've ever learned might suddenly become valuable.

1. Assemble Your Dream Team

A good quiz team is like a strong alloy: it works best when different elements come together. You want someone who remembers lectures, someone with a lot of random trivia and someone who knows sports. A culture enthusiast can also be helpful, especially when someone remembers that *The Last Supper* was painted by Leonardo da Vinci and therefore not by Jesus himself.

2. Prepare... A Little

Preparation is difficult because questions can range from materials science to general knowledge. Reviewing the periodic table, famous scientists, or basic CMM concepts might help, but so can knowing country capitals or random facts. The more knowledge you have stored somewhere in your brain, the better.

3. Think Like an Engineer

When your team is unsure, use logic and elimination. Educated guesses often get surprisingly far. A quiz question is basically a problem-solving exercise, just with more discussion and fewer equations.

4. Manage Your Brain Chemistry

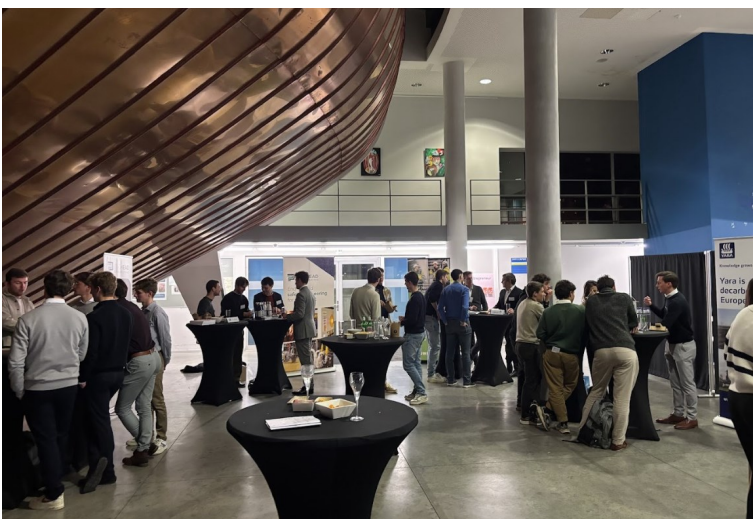
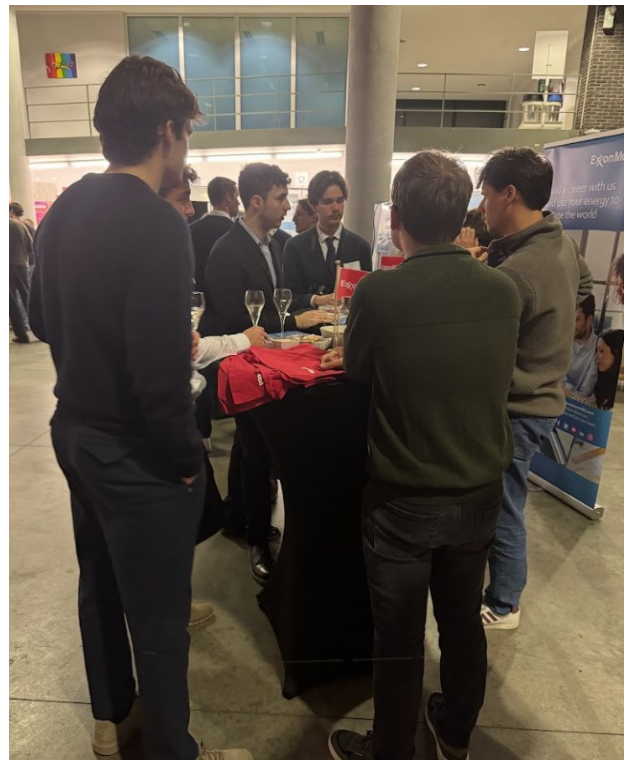
Hydration is important. Drinks can make the evening more fun, but too much might lead to questionable answers. Think of your brain as a catalyst: once it's poisoned, the reaction stops.

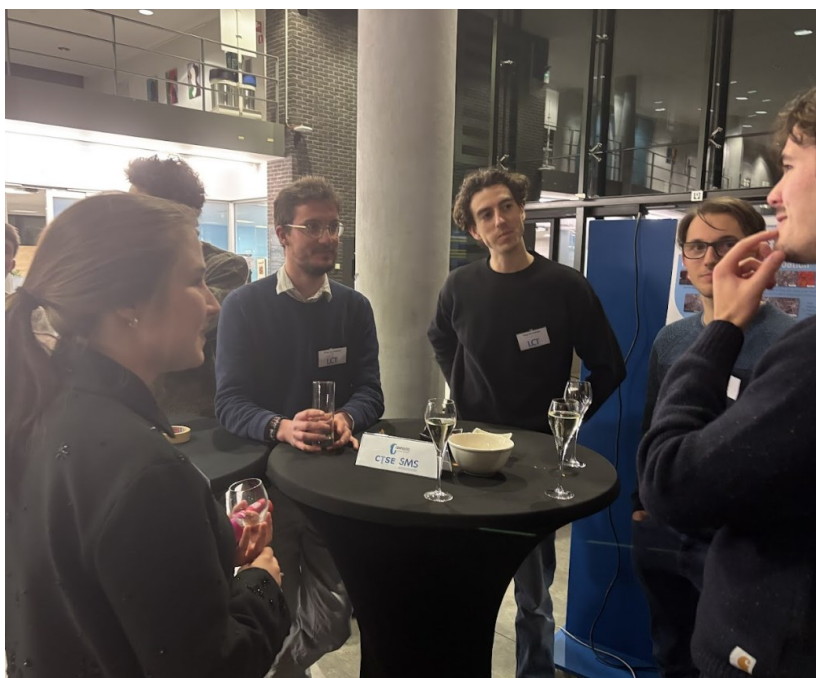
Trust the random facts you've collected over the years. That late-night Wikipedia rabbit hole might suddenly win you points. So gather your team, sharpen your minds and get ready for an evening of science, trivia and confident guessing. **And with a bit of luck, you might just go home with the main prize.**

MaChT Meets Industry

During this event, students had the opportunity to connect with our sponsoring companies, ask questions and explore future career paths. The photos below capture the energy of the conversations and the valuable connections that were made.

A big thank you to all the companies and students who joined us and made this event such a success!





BASF in the Spotlight



GET TO KNOW BASF!

Wist je dat....

- BASF het grootste chemische bedrijf ter wereld is?
- We door uitgekiende energieproducerende en energie-behoevende chemische processen 90% van onze energiebehoefte kunnen afdekken?
- We slechts 10% van onze goederen per vrachtwagen transporteren?
- We drone transport inzetten om stalen te vervoeren naar het analytisch lab?
- We een SPOT-robot gebruiken om temperatuur te controleren, drukmeters te lezen en onregelmatigheden 'te ruiken' op onze waterzuiveringsinstallatie?
- We als eersten in de Antwerpse haven een privé 5G-netwerk uitbouwden?
- We onze oude werkpakken recyclen tot rugzakken?

No duplicates allowed

Just like in your problem sets: giving the same answer twice won't cut it. Black out cells until each number appears only once per row and column. Careful though: black cells can't touch side-by-side (diagonal is fine) and the grid must stay in one connected piece.

Short, logical & surprisingly addictive, just like a good study session!

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

Deposit this page with your answers in any **MaChT box** or send an **email to MaChT@UGent.be** before the **22nd of April!**

Name: _____

Email: _____

Lasershooting

During the laser tag session, we stepped into the arena for an exciting game. Strategy, teamwork, and a bit of stealth made the game both intense and fun. It was a great way to challenge ourselves and create some unforgettable moments together.



SYSTEM > MISSION_RESULTS > RESULTS OF THE LAST MISSION.

Rank	Name	Score	Rank	Name	Score
1	ARTHUR	6100	11	MAURANE	1575
2	ASTRID	4950	12	VICTORIA	1250
3	RUNE Z	4750	13	STEF	950
4	SERVAAS	3925	14	LANDER	800
5	VICTOR	3775	15	IBE	725
6	VARA	3375	16	MICHIEL	150
7	RUNE	3025	17	BRENT	-200
8	FELIX	2500	18	CANILLE	-2100
9	JONA	1975			
10	VICTOR DH	1600			

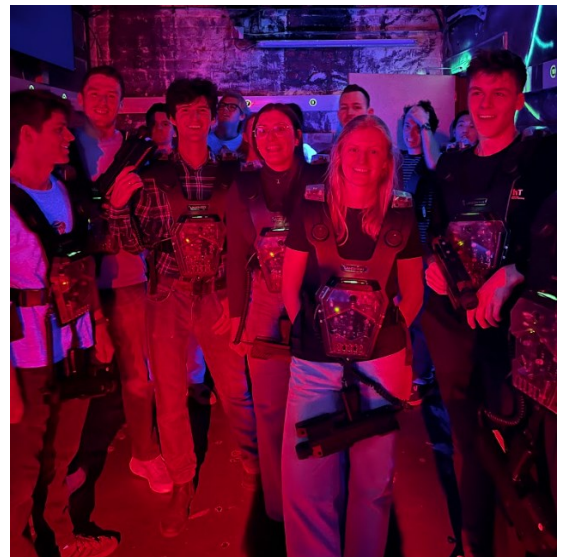
TEAM SCORES
1 Red Team
2 Blue Team

ACHIEVEMENTS
Hitman
Hit the most VPs

EVOL 6: EVOLUTIONS AHEAD

MI2

In the arena, every shadow could be your next move



SYSTEM > MISSION_RESULTS > RESULTS OF THE LAST MISSION.

Rank	Name	Score	Rank	Name	Score
1	XANDER	7975	11	MAURANE	975
2	THORBEN	6475	12	VARA	950
3	LUKA	5175	13	ASTRID	100
4	NATHAN	4325	14	RUNE Z	0
5	MORGANE	3450	15	SERVAAS	-200
6	ALEX	3250	16	RUNE	-550
7	VICTOR	2675	17	IBE	-1400
8	ARTHUR	1825			
9	JAN	1625			
10	NILS	1175			

TEAM SCORES
1 Red Team 33450
2 Blue Team 4375

ACHIEVEMENTS
Burnin' Rubber
Use the most calories
172 kcal
THORBEN

SECURITY LEVEL E3-400

MI2



M-A-C-H-T signature drinks

Margarita

- 50 ml tequila
- 25 ml triple sec (or Cointreau)
- 25 ml fresh lime juice
- Ice

Aperol Spritz

- 90 ml Prosecco
- 60 ml Aperol
- 30 ml soda water
- Ice

Cosmopolitan

- 40 ml vodka
- 15 ml triple sec (or Cointreau)
- 30 ml cranberry juice
- 10 ml fresh lime juice
- Ice

Hurricane

- 40 ml light rum
- 40 ml dark rum
- 30 ml passion fruit juice
- 20 ml orange juice
- 15 ml fresh lime juice
- 10 ml simple syrup
- 10 ml grenadine

Tequila Sunrise

- 50 ml tequila
- 100 ml orange juice
- 15 ml grenadine
- Orange slice (garnish)
- Ice



Be part of the team behind MaChT

Ever wondered what happens behind the scenes at MaChT? For the next academic year, we're looking for a new group of enthusiastic students to join the MaChT board. As a board member, you'll help organise great events, meet lots of new people and play an active role in shaping the student life of our program. It's a year full of fun, teamwork and unforgettable experiences. Below you can discover the different positions and find out which role suits you best!

President

- Co-leads the general operation of MaChT with the Vice-President (reservations, meeting preparation, organization)
- Motivates and supports the Board
- Maintains relationships with sponsors, partners & companies
- Organizes major MaChT events

- Right hand of the President
- Co-leads the general operation of MaChT with the President (reservations, meeting preparation, organization)
- Supports relations with sponsors, partners & companies and steps in when needed
- Organizes major MaChT events

Vice President

Penning

- Oversees the financial management of MaChT and prepares budgets for activities
- Compiles the annual financial report and takes notes during meetings
- Represents MaChT at the monthly WVK meetings
- Can step in for the President or Vice-President when necessary

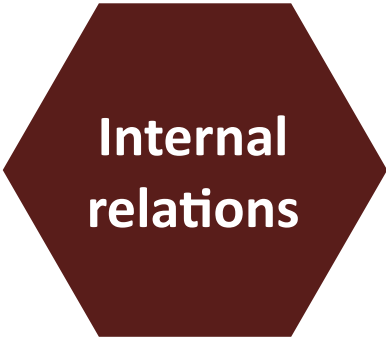
- Attracts new sponsors and companies, starting already in July and August
- Maintains contact with sponsors and partners throughout the academic year
- Coordinates company-related activities such as company visits when requested
- Organizes the MaChT Meets the Industry event

External relations



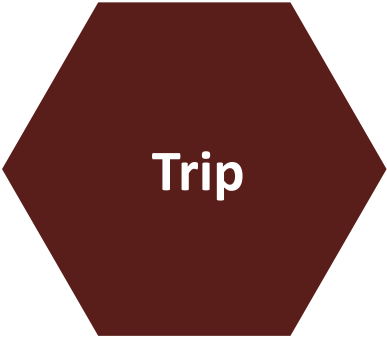
Press

- Designs promotional materials, including event posters
- Designs and publishes the monthly MaChTazine
- Prepares and arranges printed booklets for special events (e.g. MMTI)
- Contributes to the visual styling and decoration of MaChT events



Internal relations

- Maintains communication with students and regularly visits classrooms to present upcoming activities
- Manages MaChT's social media channels and ensures an active online presence including promoting events and sharing atmosphere pictures after events
- Co-organizes the annual pasta evening together with Trip



Trip

- Organizes and coordinates the annual MaChT trip for master students (destination, logistics and activities)
- Co-organizes the annual pasta evening together with Internal relations



Webmaster

- Maintains and regularly updates the MaChT website
- Manages student registrations and participation for events

Interested in joining the MaChT board next year? Besides being an amazing experience, it also **looks great on your CV**. If you have any questions, don't hesitate to contact one of the current board members.

Applications will open soon, so keep an eye on your mail. We hope to see many of you apply and look forward to hopefully welcoming you to the board next year!

Deep dive into ArcelorMittal

Smarter steels for people and planet

Staal vormt de basis van een duurzame wereld. Bij ArcelorMittal ontwikkelen we innovatieve staalsoorten die niet alleen krachtig en veelzijdig zijn, maar ook een positieve impact hebben op mens en planeet. Onze high-tech processen verlagen drastisch het energieverbruik en de CO₂-uitstoot, terwijl staal zelf eindeloos recycleerbaar blijft, zonder kwaliteitsverlies.

Met toepassingen in elektrische voertuigen, zonnepanelen en windmolens speelt ons staal een sleutelrol in de energietransitie. Maar duurzame verandering vraagt meer dan alleen innovatief materiaal; het vraagt ook om ondernemende mensen. Daarom krijgen al onze medewerkers de kans om hun talenten te ontwikkelen en een carrière uit te bouwen binnen een wereldleider in de staalindustrie.

Klaar om jouw toekomst vorm te geven? Ontdek meer over ons, onze innovaties en hoe jij deel kunt uitmaken van de verandering.



Pionier in duurzame staalproductie

Bij ArcelorMittal zetten we grote stappen naar een koolstofarme toekomst. Dankzij onze Steelanol-installatie in Gent hebben we een baanbrekende mijlpaal bereikt: de eerste grootschalige verzending van ethanol geproduceerd uit industriële emissies. Dit innovatieve proces, ontwikkeld in samenwerking met LanzaTech, toont hoe we koolstof niet als afval beschouwen, maar als een waardevolle grondstof.

Benieuwd hoe deze technologie bijdraagt aan een circulaire economie en een duurzamere wereld? Scan de QR-code en lees het volledige artikel.



Blijf met ons verbonden door onze sociale media te ontdekken:



Quiz Mania: Every Number Counts

Just like in a quiz round: each block is a question with multiple correct answers. A single cell? Easy, fill in 1. Two cells? You'll need 1 & 2, and so on up to five. But be careful: the same answer can't appear next to each other, not even diagonally.

Stay sharp, think logically and aim for a perfect score!

	3						3	
5			5			5		
3								
	4		4					
		1					2	
3							5	
	4			2				
3						3		
2		3					2	5

Deposit this page with your answers in any **MaChT box** or send an **email to MaChT@UGent.be** before the **22nd of April!**

Name: _____

Email: _____

The Cocktail Night Survival Guide

The Cocktail Night is approaching, the one evening where chemical & materials engineers temporarily trade reaction kinetics and phase diagrams for a different kind of experiment: applied ethanol chemistry. Unlike most labs, this one has no assistants, no safety instructions, and no clear procedure. What it does have is cocktails, questionable decisions, and the possibility of a hangover the next morning.

1. Establish a solid foundation

Starting Cocktail Night on an empty stomach is like running a reaction in an unprepared reactor, things escalate quickly. A proper meal beforehand helps a lot. Carbohydrates and fats slow down ethanol absorption and keep the system more stable. Pasta, bread, or anything solid will do.

2. Hydrate like a responsible engineer

Ethanol dehydrates you faster than expected. Drinking water before and during the evening helps keep things under control. A simple rule often suggested by experienced students is one drink, one glass of water. Not the most exciting method, but effective.

3. Maintain process control

Randomly mixing every type of drink rarely leads to optimal results. A consistent approach usually causes fewer unexpected side reactions. Also remember that alcohol takes time to take effect. If you feel nothing yet, the reaction may simply not have reached equilibrium.

4. The morning after: damage control

Even with good preparation, the next morning may involve some process aftermath. The best solutions are simple: drink water, eat something light and give your body time to recover. Coffee may help you wake up, but it will not fix the underlying chemistry.

Cocktail Night is essentially a social experiment where chemistry students temporarily apply their knowledge outside the classroom. Prepare a little, hydrate properly & stay within reasonable operating conditions. The goal is not to test the ultimate limits of the human body, but to enjoy an evening. After all, even the strongest materials eventually fail under excessive stress.

Macht presents
**COCKTAIL
NIGHT**



*Let's get this
party started!!*

01 APR 2026
SHAKERS AT
22:00 DELTA

Behind the Logo of ExxonMobil

De samenleving voorzien van energie en producten

ExxonMobil is een van de grootste beursgenoteerde internationale energiebedrijven, beter bekend van de merken Esso en Mobil. In onze productiesites in Rotterdam en Antwerpen produceren we chemische bouwstenen die aan de basis liggen van talloze producten die vrijwel iedereen dagelijks gebruikt, zoals sportschoenen, oplaadkabels, brandstoffen voor transport en smeermiddelen voor windmolens. We zijn sterk gedreven om betrouwbare en betaalbare energie en producten te blijven leveren, terwijl we onze milieueffecten beperken en als bedrijf volop werken aan nieuwe oplossingen om de klimaatdoelstellingen te behalen.

Rijk verleden – Moderne fabrieken - Boeiende toekomst

Al meer dan 130 jaar is ExxonMobil aanwezig in Antwerpen en Rotterdam. Dankzij voortdurende investeringen, zorgvuldig onderhoud en de inzet van nieuwe technologieën behoren onze fabrieken tot de meest efficiënte in hun sector.

Bijna afgestudeerd of reeds aan de slag als Engineer?

We bieden een breed pakket aan voordelen, waaronder een competitieve verloning, collega's die je steunen en inspireren, en de flexibiliteit om verschillende uitdagingen en rollen te verkennen binnen een internationale omgeving. Dankzij onze hands-on aanpak, het systeem van jobrotatie en regelmatige trainingen blijf je continu bijleren en je talenten actief ontwikkelen.

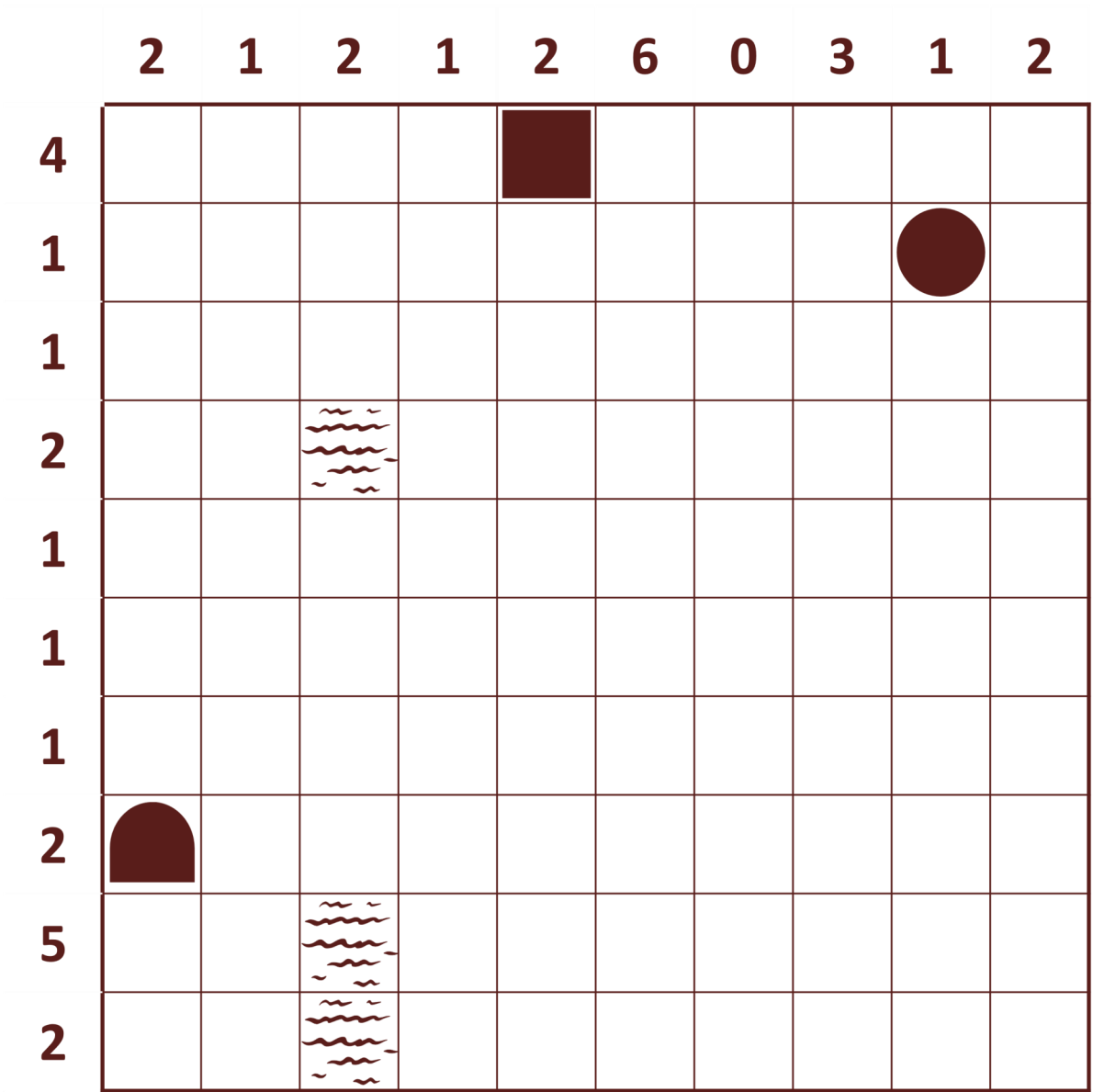
Is jouw interesse gewekt?

Neem dan zeker een kijkje naar onze vacatures op jobs.exxonmobil.com of maak kennis met onze universiteitsteams. Zij vertellen je graag meer over hoe het is om te werken bij ExxonMobil.



Captain Chaos: Ship Parking Mayhem

The captain had one too many, and now it’s up to you to organize his fleet. Ships lie horizontally or vertically, but they can’t touch each other, not even diagonally. The numbers along the rows and columns show how many ship segments are in that line. The fleet consists of exactly 1 ship of 4 cells, 2 ships of 3 cells, 3 ships of 2 cells and 4 ships of 1 cell. Steer the captain straight, park every ship correctly & save the harbor before he sails off!



Deposit this page with your answers in any **MaChT box** or send an **email to MaChT@UGent.be** before the **22nd of April!**

Name: _____

Email: _____

Sponsors:

ExxonMobil

Aurubis
Metals for Progress

BEXCO
synthetic ropes by BEKAERT


ArcelorMittal



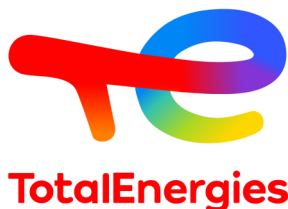
SWECO 



EASTMAN



SYENSQO



CargillTM

BASF
We create chemistry

 **PROHEAD**
ENGINEERING

 **ALUMINIUM
DUFFEL**
mind over metal

 **BOREALIS**

Beaulieu
International
Group 

 **amcor**

 **zeeland REFINERY**
A TotalEnergies and LUKOIL company