TAYLOR VISION

Gearing up for spring

March 2023

About us

BOARD

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+31 (0) 15 2786850 taylor-3me@tudelft.nl Taylor is the study association related to the department Precision and Microsystems Engineering of Delft University of Technology. The association was founded in 1988 to enhance the study experience of the students. The Taylor Foundation, in its legal form, was subsequently founded in 1992, making it an official organ in the TU Delft. During this time, the department changed its name from "Production Engineering" to the PME you are all familiar with. In contrast to what many people think, Taylor is not named after the famous mathematician known for the Taylor expansion. It is named after the mechanical engineer Frederick Winslow Taylor, who was active in production engineering and industrial efficiency. The logo of Taylor was inspired by the tip of an Atomic Force Microscope, an instrument that requires technology from all the divisions of the department. Taylor aims to enhance the study experience of the students by: trying to improve the relation between the students and the department staff, bringing the students in contact with the industry, providing the department with student feedback about courses and, last but not least, organizing recreational events to destress from the hard working life as a PME student.

HISTORY

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From the board

Dear HTE'ers,

We can hardly believe it, but we are already halfway through the academic year! It's amazing how quickly time flies when you're having fun and learning new things. We want to take a moment to reflect on the very interesting and exciting Taylor activities that have been made great by the enthusiasm and energy by you as students. It's been a pleasure to see so many of you take an active interest in the events that we organize.

Looking ahead to the second half of the academic year, we are excited to announce that we have a lot more in store for you. We will continue to organize our popular lunch lectures and company visits, and we have some exciting events planned that we think you will like. Additionally, we are thrilled for the Taylor trip to Japan during the summer break! This will be a once-in-alifetime opportunity for you to explore a new culture, make new friends, and learn more about the fascinating world of technology in one of the most innovative countries in the world.

In addition, it's great to see that the HTE students are not only academically inclined but also actively participating in the Taylor Football and Cycling Team. As spring season approaches and outside temperatures rise we look forward to the nice cycling rides with the Taylor Cycling team.

Thus far, we have had an incredible time working together as Taylor board, but above all, we appreciate the time we've spent with you! Hope to see you soon for a coffee at the Taylor office or at one of our events.

Enjoy the new Vision!

On behalf of the Taylor Board Mark Baken (Taylor 22/23)



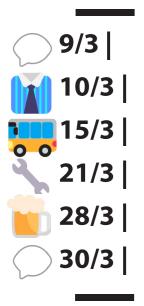
Recent graduates

Congratulations!

4/10/22	Marijn Suurveld	A force sensing strategy for 3 mm shaft actuated tip articulated instruments in RAMIS
6/10/22	Bart Tromp	Design of a high-speed rescan confocal microscopy system
18/10/22	Sawa Bezelev	Absolute distance interferometry for wafer-stage applications
19/10/22	Jonathan Linssen	Utilizing manufacturing-induced stresses for obtaining non-monostable compliant metchanisms
19/10/22	Jaap Resink	The quantification of stability of kinematic couplings using robotic grasping measures
21/10/22	Pim de Bruin	Input and state estimation for compliant motion stages. Estimating modal contributions for guidance flexures.
24/10/22	Elke Solot	Improving the traction of a legged lunar rover: a biomimetic approach
25/10/22	Bas van der Burgh	Constant torque gravity compensation: Designing a wrist support for Duchenne Muscular Dystrophy patients
28/10/22	Demetris Marangis	Characterization of 2D material/DNA origami interactions for studies of origami conformational dynamics
31/10/22	Sophie den Boer	Design of a membrane for a lung-on-a-chip device. Design and testing of membrane concept incorporating a dynamic pore size to study the alveolar-capillary barrier in vitro.
2/11/22	Laurens van Driessen	Investigation of the relation between repeatability and preload for linear guides based on a position controlled input.
4/11/22	Joris Bos	Design of a bending setup for obtaining sensing characteristics of electroactive polymers
4/11/22	Julius Keur	Density and level-set based topology optimization for structural vibration problems: A comparative study.
7/11/22 5	Joris Feijen	Stiffener layout design for thermo-elastic spacecraft structures using multi-physics topology optimization.

9/11/22	Mathijs van der Wielen	Development of an edge detection sensor for planar objects. Using multiple light colours and optical fibres as a distributed vision sensor.
14/11/22	Sjors van nes	The use of a rigid linkage balancer with torsion springs to realize nonlinear moment-angle characteristics.
16/11/22	Filippus Hulsman	Vacuum induced membrane end-effector for micro laminates.
18/11/22	Jikke de Winter	Toward 3D-printed suspended microchannel resonators. A study on damping and mass resolution of 3D-printed microbeam resonators.
25/11/22	Frank Schilperoort	High potential: Design, modelling and fabrication of a novel unipolar micro electret transducer.
6/12/22	Thobias van Kuik	The transition from structures to textures in magnetorheological fluids.
6/12/22	Emile Heezen	Design overview of a thermally stable high NA telescope using ceramics and composite materials.
9/12/22	Stefan van der Maarel	A proof-of-concept on adaptive control for High- Speed Atomic Force Microscopy.
9/12/22	Stijn IJssel de Schepper	A spray deposition platform for automated manufacturing of P(VDF-TrFE-CTFE) actuators
13/12/22	Steven van Bergen	An interface-enriched finite element method for electromagnetic analysis and optimization of 2D problems.
13/12/22	Arjen Peijen	Utilizing topology optimization to create cleanable structures.
13/12/22	Florian Böhme	Thermal modelling of a concept for a hybrid micro combustion generator.
13/12/22	Timo Kouwenhoven	Design of a nonlinear stiffness unit cell aided magnetic gravity compensator.
16/12/22	Sietse de Vries	Pressure monitoring inside the nozzle of an FFF 3D printer.
21/12/22	Michiel Tjeerdsma	Design and performance of a novel concept vacuum insulation panel with a honeycomb plate-foil core
22/12/22	Mees Vanderbroeck	Damping analysis of transient response in reset control systems with mass plants
9/1/23	Koen Guurink	Design of compliant valves that can be integrated into a fluidic network
18/1/23	Michael van den Bergh	A new type of energy harvester for traffic induced vibrations in bridges 6

Upcoming activities



Lunch lecture Settles Network drinks TWD Company visit VDL Case study Deloitte PaASML Taylor Drinks Lunch Lecture Demcon

Opinion Piece

Last year OpenAl went viral. It can generate text from prompts, generate images and you can even use it to write or explain code. But surely you would be able to tell the difference between a human and an algorithm when it comes to writing opinion articles? Well, as it turns out the AI has a surprisingly positive stance on new year's resolutions, although it is lagging a couple years behind. I asked it to write me an opinion piece of about 250 words about new year's resolutions and this is what it came up with:

Prompt: "Write an opinion piece of about 250 words about new year's resolutions"

As 2021 begins, many of us are setting resolutions with the intention of having a better year. It's natural to want to start the year off right by setting goals, but if we're not realistic with our resolutions, we may be setting ourselves up for disappointment.

Instead of making sweeping declarations that can be difficult to stick to, it's better to make small, achievable goals. Focusing on small, daily or weekly tasks can help us reach our long-term goals in a more manageable way. For example, if our goal is to exercise more, we can start by committing to a daily walk or a weekly yoga class.

It's also important to be mindful of our mental health when making resolutions. It can be easy to get caught up in trying to make everything perfect and to forget to give ourselves a break. Making space for rest, relaxation, and self-care can help us stay grounded and focused.

Finally, it's important to remember that there is no one-size-fits-all approach to New Year's resolutions. Everyone has different goals and needs, so it's important to be mindful of what works best for us. We should also be gentle with ourselves and give ourselves grace if we don't reach our resolutions. Making small changes over time is more achievable and sustainable than trying to do everything at once.

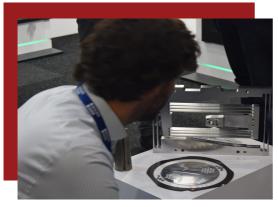
At the end of the day, New Year's resolutions are a great way to set goals and focus on the future. With a realistic and mindful approach, we can make 2021 our best year yet.

Pretty wholesome right? Not at all bad advice from a robot.



Precision Fair

The precision fair is an annual event hosting 300+ companies operating in the high-tech industry. We went to this year's edition with 70 students to check it out. Our partners Hi-Delta and DSPE provided the bus to move us all there. On the bus, we received a nice set of bike lights from DEMCON, the first gadget of the day! After arriving at the venue we enjoyed a fancy lunch provided by VDL. Then the exploring could begin.





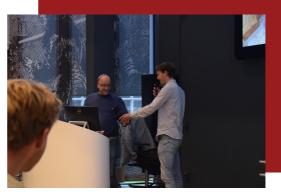
Spread over three big halls, each company had a stand showcasing its products. We spent the day walking around talking to people from different companies about their companies and the products they engineer. There were also interesting lectures to visit. All in all it was a great place to learn about new companies and get a sense of all the career possibilities after the High-Tech Engineering Master. At the end of the day, we took the bus back to Delft feeling inspired.



10XL Lunch Lecture

On Tuesday 22 November, we were visited by Gerbert Smits, the CEO from 10XL.

This scale-up company is revolutionizing manufacturing in a sustainable way. Large scale additive manufacturing (3D-printing) is their specialty. Gerbert explained how the company has already made benches in parks, small bridges, boats, and many other products. The selfdeveloped materials are recycled and recyclable thermoplastics that last a very long time. With the 10XLdeposit, or 'statiegeld' policy, they make sure their products are returned at their end-of-life and the materials are repurposed for new products. Gerbert is passionate about circular



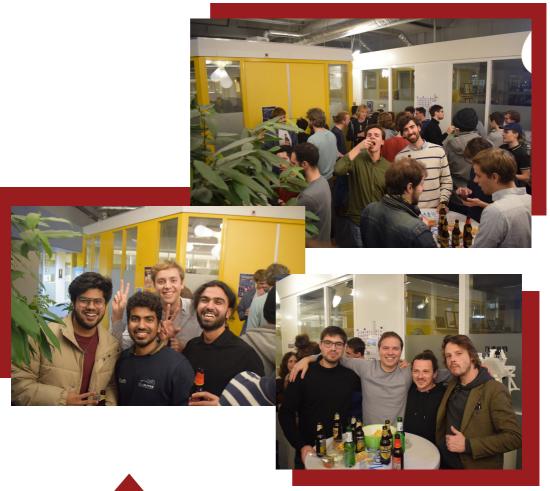
manufacturing and as legislation and public opinion comes more and more in line with that view, the company will become very succesful. If you want to contribute to this new way of doing things, contact Gerbert, because they need mechanical engineers!



TAYLOR

Drinks

The first Taylor drinks of the second quarter were a success once again! PME square was filled with people enjoying eachother's company. Enjoy the pictures!



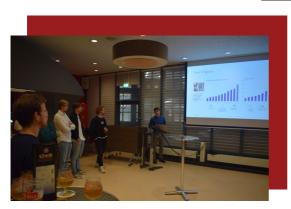
Mooie

During the intro week, the first-year HTE students were supposed to challenge each other during sports day. Unfortunately, due to the bad upcoming weather and the NS giving their trains a day off, Taylor decided to postpone this sports day for a while. But we knew that there would be the need to sport together one day... So we came up with a completely different sport, 'Jeu-de-boulen' at Mooie Boules in Delft! On 30 November, many first years and some second years came to challenge each other on the Jeu-de-boule courts, meanwhile enjoying another sport: drinking beers. Later in the evening, many vocal cords were also put to work during karaoke. It was a great evening!

Boules



Prodrive



NETWORK DRINKS

On Tuesday 10th of January, Prodrive and Taylor got together for network drinks at 't Lagerhuysch. Two employees of Prodrive, who both also studied HTE at TU Delft in the past, held a short presentation about Prodrive and in what fields they operate. These fields are energy, mobility, semiconductors, and more. After the presentation, the beers were flowing rapidly while in the meantime questions were asked about what working at Prodrive would look like. All in all, it was a successful evening of networking and enjoying the snacks and (craft) beers 't Lagerhuysch was serving us!

Hittech Lunch Lecture

Just one day after Sinterklaas, on 6 December, Ard and Rafael came by to talk about Hittech. This company - with the most similar name to high-tech engineering - designs and produces very advanced mechatronic systems. We got an interesting presentation on multiple of Hittech Multin's projects and their team structure. Their machines find applications in various fields, such as medical, semicon, measurement and much more. Another cool thing about Hittech: they are located just 15 minutes cycling from Delft, in Ypenburg.



ASML

From chipmaking to EUV and from the number of employees globally to next generation machines, discover the most important facts about our fascinating tech company.

True or False? Test your knowledge about ASML

ASML is the only company that makes Extreme Ultraviolet lithography technology. TRUE. Unlike in the DUV (deep ultraviolet) lithography market, where ASML competes with other top-notch suppliers, ASML is currently the only lithography equipment supplier capable of producing EUV technology. Chipmakers use these EUV systems to manufacture the world's most advanced microchips. In fact, if you own a relatively new smartphone, gaming console or smart watch, chances are you've benefited directly from EUV lithography technology. We spent 20 years developing EUV with our partners and suppliers, resulting in a machine that contains around 100,000 parts. To ship just one of these huge machines to customers requires 40 freight containers, three cargo planes and 20 trucks.

An ASML machine is all you need to make microchips.

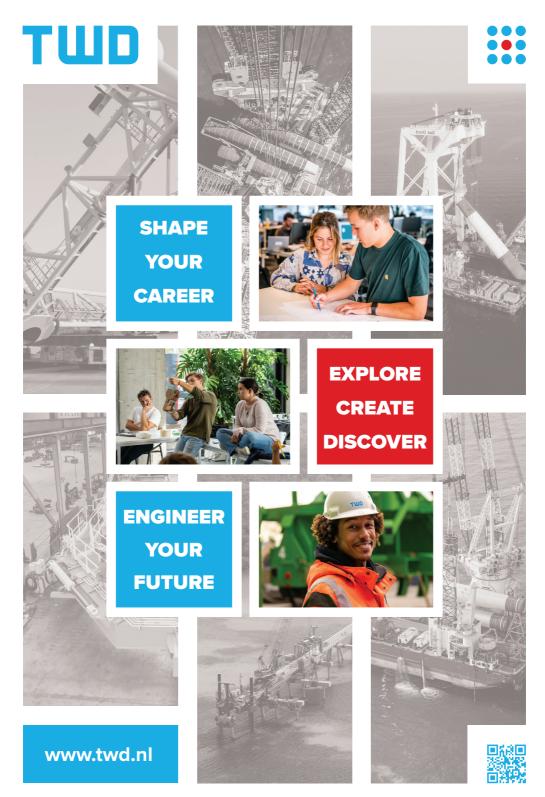
FALSE. Making chips is a complex, long and expensive process. Our customers have spent years and invested billions building 'fabs' (fabrication plants), buying equipment and training employees to become experts in the complex field of semiconductor manufacturing. ASML's lithography machines form an important part of a chipmaker's production line, but they are not all that's required to produce microchips. Lithography – printing patterns on silicon wafers – is certainly a critical step in the chipmaking

ASML makes microchips.

FALSE. ASML does not make microchips – we make the machines that other companies use to make microchips. We also don't make the silicon wafers that form the cradle of the chip. Customers such as Intel, Samsung and TSMC use ASML's DUV and EUV lithography systems to print tiny patterns on silicon that has been treated with 'photoresist' chemicals.

For any questions don't hesitate to ask our campus promoter Sara: sara@workingatasml.com +31640458561





Interview WITH Alejandro M.Aragón

We interviewed Alejandro M. Aragón, who recently got promoted to Associate Professor. Congratulations!

Let's start at the beginning. Can you tell us how it was growing up in Argentina as a kid and as a student?

Okay, actually I was born in San Juan, which is in the northwest of Argentina next to Los Andes, the mountains. When I was about 4 years old, we moved to the very south of Argentina, an island called Tierra del Fuego which means fire land - next to the Falkland Islands. I basically grew up in the end of the world, in a little town called Rio Grande. Of course it was very cold but it was great over there. It was fascinating because my father used to work for the petroleum company of Argentina, YPF. We were living away from the city in a neighbourhood that was only for people who work in this company. What was amazing was that we had a sports club 200 meters away from home, so I would spend there the whole day, really, sometimes the whole day. When I was not in school, I was playing sports: tennis, football, basketball, volleyball, handball, pretty much anything that there was to be played. It was really incredible there and of course with the kids of the neighbourhood we would just meet everyday for riding bikes, or pretending that we were ninjas, walking on rooftops.

And then in 1989 I was about 11 years old and Argentina had an economic crisis, the infamous hyperinflation, and the country collapsed. So we moved to Bolivia, because my mom is Bolivian, to start a new life and I spent my teen years in Bolivia.

When I was 18 years old, I came back to San Juan to study. I knew from a very young age that I would become an engineer and I was actually fascinated by earthquakes. Thirteen days after I was born, the 23rd of November 1977 there was a big earthquake that hit our city, it was 6.5 in the Richter scale. And basically about 40% of the entire city collapsed. I was only 13 days old and there are crazy stories about how my father took me from the crib at the right moment just before a bunch of engineering books fell on it. And how we went to the street because the houses were collapsing and I kept listening to all these stories and eventually when I went to study in Argentina I wanted to study earthquake engineering. I became a structural engineer in San Juan and soon after that I worked for a couple of years in Bolivia with my uncle, who is a very renowned structural engineer in Bolivia. And then I got a scholarship to do a masters degree at the Urbana-Champaign university in Illinois, USA. From that point forward I found other things more interesting than earthquakes and I fell in love with finite elements.

So you went to Illinois to do your masters?

When I got my engineering degree, I said to myself that I wanted to continue studying so I applied to several universities, very prestigious ones actually and I got accepted to 4 of them, out of the 6. But none of them gave me any financial support. So I started to look for alternatives, and then I was awarded the Fulbright scholarship that allowed me to study in USA. And that changed my life, because it gave me the opportunity to grow. The scholarship for me opened the door to a completely new world. For instance, I was



not aware, when I was studying engineering at the bachelor level, that engineers could actually do research. I had absolutely no idea there are people who spend their lives trying to find answers to interesting questions. And of course by the end of my masters I fell in love with research and numerical methods.

How did you end up in the Netherlands?

After my PhD in Illinois and my postdoc in Switzerland, there was this opportunity to become assistant professor in Delft. It was somewhere in July 2014. And it was funny because during that time there was the world cup and we actually played against the Netherlands and I think my interview with Fred van Keulen happened just after Argentina had won against the Netherlands. I'm a huge fan of my country's team. I'm so excited about the world cup. I was telling everybody about the first memories that I have from football. I was 9 years old when we won the 1986 world cup. And I remember my father taking me to celebrate and it was really a great time. And since then, I waited 36 years to see my country become champion again. For me what's happening right now is truly something very special.

So for the last 8 years you've been at TU Delft. How do you feel about those 8 years? How do you like your colleagues?

I really like everybody in the department. It's very exciting to be surrounded by smart people who are all at the top of their respective fields. Sometimes I go to our staff meetings and I see truly inspiring talks, I mean there are guys like Richard who is trying to send stuff to another planet – like OMG, right? I really think I'm privileged to be in this type of environment. TU Delft is a top-class university when it comes to research and it is my hope I'm also contributing to that. All these years have been a time for growth, from basically having your own little ideas here and there to really assemble an entire team and

to publish world-class research. You know, it's something amazing to bring to an end the theses of your PhDs, like what happened with Sanne, with Jian, and then you get Sanne getting this Biezeno award, basically showing the entire Netherlands we can get the best PhD thesis in mechanics. This was something amazing. And I'm perhaps a bit more picky than others when it comes to research quality and sometimes that pays off. For instance, I like having vector graphics quality figures. I know it takes a little bit more effort and time. but that time is well-spent because some people do pay attention. And the way I see it - writing papers is our way to create art. That is the only type of art that we're going to make in academia. So if you go the extra mile to make something that is really nice, it looks good, it has a nice sense of style, a good choice of colours and you removed noise that is not relevant. To me that is great.

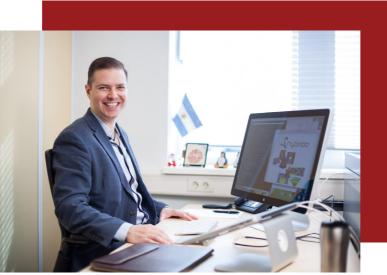
I've noticed you've got some special philosophies during teaching. For instance you don't have slides, you write everything down. Why is that?

I try to do that because I took many courses in Illinois where I saw the teacher just skimming through slides and I think that's not the way to teach advanced content. What really worked for me was the teacher getting into the blackboard and writing down equations. Because there is something that happens when you write the content yourself. It is as if your brain is functioning as an interpreter so you translate something that you see and you put it in your words, or equations or whatever it is. And that is why my courses on finite elements are all tutorial-based.

On a personal note: it's so overwhelming how much stuff there is on mechanics and all the time I think "I don't know anything about it and there's so much stuff I don't understand yet, how can I ever make a good master thesis."

When you do research, you're advancing a very small portion of knowledge. In other words, you don't need broad knowledge to write a MSc thesis. I totally understand you and I felt the same when I was doing my MSc. I felt like I didn't learn enough and that was the main reason I decided to continue with a PhD.

You share your office with Farbod, right? Is he a nice partner?





Oh man, the best, Farbod is the closest person to me in the department. He's like a brother. We spend many hours together. We go for coffee essentially every day and we spend the time to talk and to advice each other. Not only at the professional level, because we're collabborating on papers, but also at the personal level. Besides him, I have a close relationship with Hassan, Davood, and with Angelo as well.

Would you ever consider leaving universities and going to a company or the industry?

I thought about the industry a lot in the past but I think for me, academia is the right path. Industry may pay better, but in academia you exchange that for freedom and for me freedom is priceless. And it's not only that. Besides the economic aspects, I love research, I love teaching, those are two very important components. If you go to an industrial environment you may very well do research, but then there is no teaching. Being at a university and teaching at a university and being surrounded by so much amazing young energy is something that revitalises you as you grow older. I would not like to change that.

I've seen your agenda and it's always full, but when you have free time. What is stuff that you like to do?

Haha, what are my hobbies? Yeah well you know I'm a tango dancer perhaps. I'm actually at a high level of tango dancing. I met Julia in Paris when I was travelling all over Europe just to dance tango. I have taught tango in Amsterdam a few times. I wanted to do something related to this the last PME event. but Julia broke her foot so we couldn't do it but maybe at some point in the future I'll show everyone. Other than that, I'm a gamer, man. When I was a child, my parents bought me one of those MSX Toshiba computers. It was funny the way they work, because back then they used to load the games with magnetic tapes. You would place a casette and then you would load it for guite some

time and it would make funky noises while doing this. That is the time when I started playing video games. And then when I was 15 vears old, the Super Nintendo Entertainment System came out. I was of that generation that saw the Nintendo, Super Nintendo, the Nintendo 64, the PlayStation 2, 3, and 4, etc. Right now at home I have a PlayStation 4 and a Nintendo Switch for my son. I have two children. Leonardo is six and Sofía is three. So when I have some free time I also like spending time with Leonardo playing video games. I try to help him in his Pokemon and Mario Bros games. He is of course also a lover of football and I take him every Saturday to play football matches with the Concordia club in Delft. I'm very proud of him, because he's in the best team under 8 years old.

Do you talk to your family at the other side of the Atlantic a lot, still?

Oh I talk to them every day. There is not a single day that I don't talk to either my mom or my brother. We are basically constantly in touch. Even though they are in completely different time zones. And I have a planned trip to see them, hopefully it's gonna happen by the end of the year.

Final question: Last friday, we also saw you improvising, singing at the PME christmas event. Do you have any experience singing? Because it was pretty good.

Yeah actually, I enjoy singing a lot. I learned how to play the guitar when I was around 13 years old. At some point I was the one my friends would pick up to give serenades to their girlfriends. It's funny, we would meet and go around the city singing after midnight ¹ waiting to see whether the girls would come out at the balcony. I like singing since then and I had the oppurtunity to sing in a couple of tango events. I think that was also appreciated. Other than that, being a Latino, there is this Karaoke tradition that's pretty much ingrained in the culture. Lots of people know how to sing because it's one of those things that you do on a regular basis.

Author: Niels Beaufort

TAYLOR

Drinks

The theme of the final Taylor drinks of 2022 was 'oliebollen'! The local oliebollenkraam got the order of their life. With our bellies filled and the glasses clinked, we entered the PME meeting room to watch the reveal video for the 2023 Taylor Trip. Thank you all for the great evening :)



TWD Company Visit

Just before the Christmas break, we visited Temporary Works Design(TWD) in their office in Rotterdam. After a comfortable bus drive of only 20 minutes, we were welcomed by a drink and a snack. After a presentation about TWD and what they do (designing temporary works for mainly the offshore wind industry), we were introduced to a case study. We were challenged to design a stable tower with only wine gums, wooden skewers, and rubber bands. The winner would be the group who built the highest tower. The contest took a lot of teamwork and even minor bleeding injuries due to fanaticism occurred(read: accidentally poking yourself with the sharp tip of a wooden skewer). After this contest, the next challenge was introduced. To make the assignment a bit harder, the tower was now placed on top of a platform





simulating ocean wave motion. The group with the highest tower and the best performance without falling apart at the moving platform won this contest. After the winners collected their goodie bags, it was time for some drinks and networking with employees of TWD. Last but not least, we had a quick tour past their office to see what working at TWD would really look like. After a fun afternoon, we took the bus back to Delft. PME



On the 16th of December, the entire PME department gathered at the Art Centre for a day full of activities. It was very gezellig and a cool way to see eachother in such a casual and creative setting. Merry Christmas everyone!

PME Market

All of the research groups showed cool accomplishments and everyone was proud of their team. The walls were filled with posters showing the work of Master students, PhDs and Postdocs. There even were prizes! It's always impressive to see what progress we're making in these broad, but also tiny fields.







Games

As always, lunch at the Art Centre was great. With our bellies filled, it was time for the Christmas games. There was something for everyone, from sjoelen, pictionairy or dangerous Jenga (shoutout to Stan) to checkers or 4 in a row with a 5-dimensional twist. It was a good time of hanging out together and the more competitive people had the chance to let out some energy;)









PME's GOT TALENT

The final part and highlight of the day was PME's got talent, hosted by Stijn and Dirk. There were so many acts, too many to all mention here. From staff to students, we're all a creative, athletic bunch of nerds. Bands like the Enigma band or the Taylor band, Prateek's dance moves, Cas and Menno singing and playing on the piano, Just and Hans with their cool projects or Eveline's voice, indistuingishable from Adelle's. There was an emotional musical piece for the women in Iran, with many contributors. We even had some improvised acts like slacklining by Niels, Piano by Sina or juggling with lemons by Eoinlee. Akshat won the PME's Got Talent







2022 trophy by doing single-handed push-ups while very quickly solving a Rubik's cube with his other hand!

We ended the day with glühwein and jamming. Thank you all so much for this amazing day!



Want to join Taylor?

Do you have an interest in doing a part-time board year? Do you want to be involved with students, staff and companies in high-tech engineering? Do you want to be next years Taylor Board!?

Then this might be your time!

With the half year point reached, Taylor is slowly starting to look for a new board. Do you see yourself as one of the five enthusiastic students in the next board of 2023/2024, contact us!

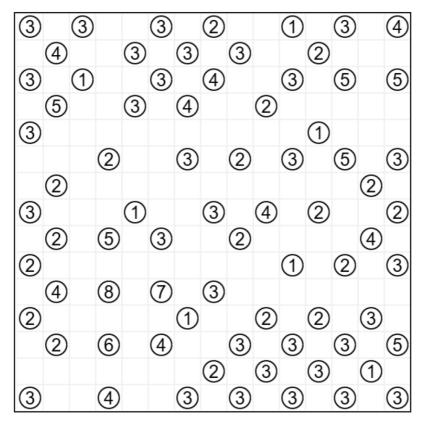
So do you want to organize amazing events, make a lot of friends, get in contact with companies and many more extras (like the Taylor office and free coffee;)) hit us up with any questions you might have!



Puzzle Hashiwokakero

The goal of this puzzle is to connect all the islands with bridges. Each island contains a number that prescribes the number of bridges connected to that island. The bridges may not cross and can only be vertical or horizontal. Every connection between two islands counts as a single bridge (so length does not matter). Between two islands there may be 1 or 2 bridges but not more.

Send an email to taylor-3me@tudelft.nl with your solution and you might be the lucky winner!







This is the second Vision magazine of the year 2022/2023.

We will only send physical copies of the magazine to the people who indicate they would like that. In the first edition of the year, we presented you with an opt-in to receive a physical Vision for the rest of the year. If you have a physical copy in your hand, that means you opted-in.



In case you only have the digital copy, you can still opt-in. So, would you like to receive the physical version of the upcoming Vision magazines and have you not already opted-in? Then fill in our opt-in form by scanning the QR-code above.

