

## Dear members, friends and supporters of TUM: Junge Akademie,

It is with great sadness and dismay that we continue to look to Syria and Turkey weeks after the disaster. We are stunned by the extent of the destruction. Our sincere sympathy goes out to all those affected, in Turkey and Syria, but also to the people who are experiencing an incomprehensible injustice and suffering as a result of the Russian war of aggression in Ukraine, which has now been going on for over a year. It is a reminder for all of us how much the world depends on our sustainable actions, our responsible work, e.g. in earthquake engineering, through which destruction could certainly have been avoided in the case of the newer buildings, but also on communication, psychology, respect for fellow human beings and the preservation of our liberal-democratic values characterized by solidarity.

To cope with the challenges that our civilization is facing due to the "polycrisis", it is especially the duty of those who have enjoyed scientifically based education and have thus been prepared for structured thinking, analysis and evaluation to work on solutions and to help the societies for getting a clear picture of the world we live in. We are also the ones who can utilize the potential of new technologies as well as classify and manage related risks. The current and to some extent bizarre discussion on innovations of AI-supported language models such as ChatGPT shows our responsibility to a particular extent. Only in open and proactive analysis and use of the new possibilities can we solve the related questions. Moreover, I am convinced, using them offers enormous opportunities, just as the calculator after the slide rule, the PC, the smartphone, the internet did. The new options have the potential to further change the world and, if used properly, expand social participation worldwide. In this respect, the questions of adapting teaching content in the light of the new options are important in our case, and the questions of whether old examination formats should be adapted are comparatively trivial; of course, these must constantly adapt to new developments.

In any case, the focus is on the individual, because only he or she is the key to action, progress and change. In TUM: Junge Akademie, the scholarship holders are not only participants but also actively shape

the support program through the Board of Members. With thanks for their commitment and the always-constructive cooperation, I bid farewell to Philipp Patzelt and Sophia Schmid as BoM directors and welcome their successors Rui Yee Loke, Johann Ioannou-Nikolaides and Stefan Lehner, who are taking on the task as a triumvirate for the first time.

I wish you a successful exam period and a good lecture-free time. Look forward to and test new possibilities that open up to you via AI.

With my best wishes

Gerhard Müller

## TUMJA-News



TUMJA #class23

New TUMJA class

### #class23 started with five teams

After the Kick-off weekend in November 2022, **35 scholarship holders** started as #class23. They formed five research teams under the call "Less is More? Empowering individuals to focus on the essentials".

[Get to know the five teams](#)



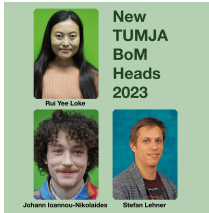
Future Lab I & II at Schliersbergalm

Future Lab I & II

### TUMJA goes Schliersbergalm for seminar weekend

Also in 2023, the first seminar weekend was for **Future Lab I and II**. #class22 and #class23 spent the weekend of January 20-22 together at **Schliersbergalm** to participate in a variety of workshops, for example scientific writing, project management and visualization. The scholarship holders made valuable progress on their project teams.

[View more of FL I & II](#)



New BoM Heads

TUMJA Board of Members

## New BoM Chair

In January 2023, the TUMJA Board of Members (BoM) elected **Rui Yee Loke**, **Johann Ioannou-Nikolaides** and **Stefan Lehner** as new deputy heads. A big thank you to **Philipp Patzelt** and **Anna Sophia Schmid**, for their engagement as former heads of BoM.

[Read more about BoM](#)



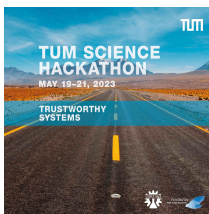
"Eine Uni - Ein Buch"

Eine Uni - Ein Buch

## "Caspers Weltformel" wins TUM vote

This year, TUMJA is coordinating TUM's application for **"Eine Uni - Ein Buch"** by Stifterverband and is supported by the TUM SOT's "WTG Studiengangsbündel" team. **Victoria Grader's** novel **"Caspers Weltformel"** emerged from the TUM-wide book voting in January. Now we keep our fingers crossed to be among the ten finalists of the call for entries!

[Find out more](#)



Science Hack from May 19-21, 2023

Science Hackathon 2023

## Let's create Trustworthy Systems!

TUM Science Hack will take place for the **sixth time** in May. In 2023, **companies** and **chairs** will pose challenges under the motto **"Trustworthy Systems"**. The challenges are to develop systems that are safe and reliable for the consumer, that are built with privacy in mind and are sustainable across the product lifecycle.

[View the partners and challenges](#)



## TUM is blooming

Under the motto "Natur feiern in der Stadt", the **Flower Power Festival Munich** takes place from February 3 to October 7, 2023. TUMJA participates on behalf of TUM and offers the second writing workshop, this year on the theme "**Stilblüten**", as part of the festival.

[View more](#)



Prof. Dr. Ruth Müller

### Advisory Board Changes

## Prof. Dr. Ruth Müller leaves Advisory Board

We would like to thank **Prof. Dr. Ruth Müller** for her commitment to the Advisory Board. She's been fulfilling her advisory role since May 2021.

[Read more](#)



Academy Talk on  
March 15, 2023

### Academy Talk series 2023

## "Ethics & Technology" – Talk with Rabbi Goldschmidt and Dr. Séville

TUMJA hosts the first **Academy Talk** in 2023 on March 15, this round with Moscow's former Chief **Rabbi Pinchas Goldschmidt** and **Dr. Astrid Séville** as guests. The topic is "Ethics & Technology". We kindly ask for a voluntary registration for the event in advance.

[More info & registration](#)



QuantCo

### Warm-Up with Industrial Partner

## TUMJA meets QuantCo

The QuantCo team was very happy to meet members of the TUMJA at the workshop in Schliersee. Now they invite TUMJA's scholarship



holders to a get-together in the new QuantCo office at Isartor on April 11.

[read more about our partners](#)



Join the Fireside  
Chat in May

Fireside-Chat on May 8, 2023

## Global Science, Global Career

**– or the importance of the proper international personal profile.** A panel discussion jointly organized by the TUM Junge Akademie and the TUM Graduate School.

[read more](#)

## Alumni presented



TUMJA Alumnus  
Maximilian Schreieck

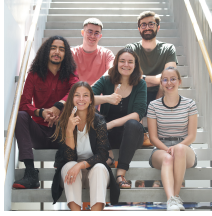
Euridice Pinheiro Vieira Harke and Flavio Principato  
interviewing

## Maximilian Schreieck, Assistant Professor for Information Systems at University of Innsbruck

Maximilian Schreieck is a TUMJA alumnus of class 2011. After his bachelor's and master's studies in Technology and Management, he received his doctorate in Information Systems from TUM in 2020. Since 2022, he has been working as an Assistant Professor for Information Systems, with a focus on Digital Services and Platforms at the Department of Information Systems, Production and Logistics Management at the University of Innsbruck.

[Read the Interview](#)

## Project News from #class22



Team Aesthetics

## Asking Science

Over the past few weeks, team Aesthetics has been working on honing the questions and conducting, transcribing and analyzing the interviews. Now, the entire team will extract data from the transcripts and see how that affects the research question.

[Read more](#)



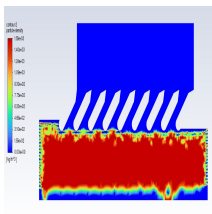
Part of Team  
CheckMate

CheckMate

## Data Evaluation

After successfully testing the effectiveness of our app, which aims to teach high school students how to recognize fake news, we are currently evaluating the collected data. Further, we are in the process of writing our scientific research report.

[Check out the App](#)



Particle Simulation

Membrains

## Iteration

Through particle simulations with varying shapes, flow speeds, and distances between gills, we iterate towards the optimal set. Interestingly, the shape that most closely resembles that of a manta ray proves to be the most efficient filter.

[Read more](#)



Part of Team VINFO

VINFO

## VINFO applies for IC2S2

With some surprising findings, we are now applying for the 9th International Conference on Computational Social Science. Additionally, we are currently writing our research report and preparing for the TUMJA symposium.

[Read more](#)



SustainAct

## Investigating trash separation behavior at TUM

We are now collecting responses for our survey on waste separation behavior at various TUM campuses. Our research questions are: To what degree is waste separated at different TUM campuses and which measures should be introduced to improve waste separation? Find a link to our survey on our website.

[Read more](#)

## Project News from #class23



Part of Team  
Collaboration &  
Impact

Collaboration & Impact

## Update on our project

We want to create a model to predict the demand of a drug, based on the correlation between climate and incidence of the disease. We are in contact with pharmacies and experts of tropical medicine to find a relevant disease to focus our model on.

[Read More](#)



ERIKA\* A Project

ERIKA\* A

## ERIK\* A – Aufklärung macht Schule

Based on our own experiences with insufficient sex education, we want to map its current state in Bavarian schools with the help of a three part study (research, interviews and survey) and give recommendations for its revision in the form of a handout.

[Read more](#)



Team Pilot Projects  
with tutors minus  
David, Luisa, Sarah

Pilot Projects

## Accepting failure as an opportunity to grow and improve

At Schliersbergalm, we re-evaluated our idea of combining pilot projects with air pollution (video) and found that it wasn't working out. After a constructive debate, we restarted from scratch and are making good progress. Look out for our project reveal!

[Check out the video](#)



Part of Team Healthy  
Habits

Healthy Habits

## On a healthy mission

Can a healthy and sustainable life be fun? Team Healthy Habits says yes! Our mission is to help people build healthy habits by creating a platform to share your experience with friends. It provides small daily challenges and motivates people to share a fun picture of them completing the challenge.

[Read more](#)



Team Simple  
Language with their  
supervisor Prof. Dr.  
Sylvia Rothe

Simple Language

## The project gets to work!

The team Simple Language has decided to apply language-facilitating tools to TUM's websites informing about the application processes for its study programs. Currently, we are investigating suitable methods as well as potential legal restrictions.

[Read more](#)

# News from the Taskforces



Save the Date!

TF Symposium

## Symposium of #class22 on June 9, 2023

Our taskforce is getting bigger! We gladly welcome our new taskforce members from #class23. The taskforce is busy planning the Symposium. We already have two guests for the panel discussion.

[View more](#)

TF Mentoring

## Start of Evaluation and Planning for Mentoring Kickoff 2023

We started the evaluation process of last year's mentoring program. Additionally, with four highly motivated new members joining our team, we are introducing a new form of Kickoff 2023 which will be combined with the symposium of #class22 in June.

[View more](#)

TF Event

## Winter term events

The highlight of this semester was the Christmas Party. We welcomed many scholarship holders, tutors and supervisors to our Christmas games, built gingerbreadhouses and shared great moments over christmas treats and mulled wine. Additionally, we visited Augsburg for a day and viewed four plays at the Münchner Kammerspiele. We are looking forward to seeing you at our events in the summer semester!

[View more](#)

## Save the Date @ TUMJA

March, 15: [Academy Talk on "Ethics & Technology" with Pinchas](#)

**April, 11: QuantCo Office Warm-Up**

**May, 8: Fireside Chat with TUM Graduate School on "Global Science, Global Career"**

**May, 10: TUM Campus Run**

**May, 12 to 14: Intermediate Evaluation I & IV**

**May, 19 to 21: TUM Science Hackathon**

**June, 9: TUMJA Symposium #class22**

**June, 27: Munich Science Fair @TUM**

## **Save the Date @ Partners**

**March, 14: Acatech am Dienstag - Generative KI und ChatGPT – müssen wir nicht mehr (selbst) denken?**

**March, 28: Science Slam im Einstein 28: von Tieren und Menschen** - Acatech in Kooperation mit Deutschem Museum, Münchner Volkshochschule und Rachel Carson Center für Umwelt und Gesellschaft

**April, 21: Akademie für politische Bildung Tutzing - Akademiegespräch am See: Gesellschaftliche Grenzen der Transformation**

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**Site notice**

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