

Content

Greetings from the director
Information
News – task forces
News – Year 2020
News – Year 2019
Save the Date

Welcome to ja.tum.de!

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

Last year TUM: Junge Akademie – again – was very active and successful. You will read about it in our next project reports, look forward to it. So much in advance: I'm very convinced that our new call Technology and Arts is both, appealing and enormously challenging for all groups involved: students, tutors and mentors. It opens an enormous action space which we tried to shape during our weekend in Kochel at the end of November, when we got a great insight into the currently ongoing projects, that promise to be very successful and inspiring.

But TUM: Junge Akademie proved to be successful in further types of challenges: "Our project-group" (your fame, dear winners, is happily socialized by the director of TUM: Junge Akademie) won the Blockchain TechCamp, organized by the Amerikahaus, acatech and supported by the US General Consulate Munich. Our colleagues were awarded by a top-class jury of experts in the categories relevance of social or security policy issues, implementation potential with blockchain technology, creativity of the project, implementation of the project. We are proud that the winners are a group of TUM: Junge Akademie. They are invited to San José Silicon Valley and obtain the possibility of expanding their personal academic and professional network.

Congratulations to Friederike Groschupp, Frederik Heetmeyer and Maximilian Bauer! We knew about your creativity and are impressed in which manner you also here managed to move from the talk the talk to the walk the walk. We cross our fingers for a further success of your project Waste-Chain.

Dear students, tutors and mentors. Thank you for a great 2019 and let's continue with our interaction in 2020.

With the best wishes and health, joy and success in the New Decade.

Sincerely yours,
Gerhard Müller

INFORMATION

Changes at TUMJA office – good bye & welcome

During more than five years, TUMJA team assistance Maria Hannecker contributed in an excellent way to the success of our scholarship program. Now she accepts a new challenge and will leave the office team on February 29. We say: #thanks4all #verywelldone #greatteampayer #longliveNiederbayern! On the other hand, our team grew and since this week, Constanze Kukula joined in as team assistance, responsible for marketing and event management. Welcome at TUMJA, Constanze!

Learn more about the office team!

Changes at the TUMJA Advisory Board

Three new scholarship holders representatives were elected at the last meeting of BoM, the Board of Members of TUM: Junge Akademie. Saskia Hutschenreiter, Beate U. Neu and Paul Sieber are members of the TUM Advisory Board since January 1, 2020 for the next two years.

[Meet the decision takers and strategy planers of our program!](#)

Year 2020 – new scholarship holders started in six teams

We welcome 43 new scholarship holders in the network of TUM: Junge Akademie. The group "Year 2020" started end of November 2019 during their first seminar weekend and will develop six student research projects under the call "Technology and Arts".

[Here you find all student research projects!](#)

Year 2020 – excellent supervisors of TUM and our partner universities

The six new teams will be supervised by two professors each. We are very proud to have with us, Prof. Dr. Ulrich Kaiser, Prof. Maurice Lausberg and Prof. Jan Müller-Wieland of the University for Music and Theatre Munich, Prof. Dr. Michaela Krützen of the University for Television and Films Munich, Silke Schmidt / Head of XR HUB Munich as well as these highly experienced researchers of TUM: Prof. Dr. Isabell Welpé (TUM SoM), Prof. Dr. Peter Gritzmam (Mathematics), Prof. Dr. em. Bertold Hock (Life Science/Biology), Prof. Dr. Herbert Krcmar (Informatics), Prof. Felix Mayer (MCTS / TUM Gov) and Prof. Dr. Daniel Pittich (TUM EDU). Thanks to all for volunteering as supervisors!

[Meet your supervisors!](#)

Symposium on AI – "KI hoch vier: Mensch, Führung, Industrie und Politik"

On March 18, TUM and partners host an exciting symposium on AI: "KI hoch vier: Mensch, Führung, Industrie und Politik". Interested? Register right now! Students participation is free of charge.

[Program and registration](#)

NEWS FROM THE TASK FORCES

Task Force Symposium

The Task Force Symposium is about to finalize the concept of the symposium 2020. Please find more information on our homepage.

[Find more about Task Force Symposium](#)

Task Force CAP organized the Science Hack 2019

For the second time we hosted the Science Hack in December 2019. After the successful kick-off on Tuesday, November 24, 87 students of TUM, LMU and Hochschule München developed amazing solutions for the challenges offered by the Science Hack partners: Altair, BMW group, ITK engineering, Hubert Burda Media, Pixida GmbH and Wacker Chemie as well as the Chair for Data Processing and the Assistant Professorship for Sensing and Modelling.

[Know more about the Science Hack 2019 \(winners, challenges, fotos\)](#)

NEWS FROM THE YEAR 2020

AppCycle

Our main idea is to build a platform to inform interested people about re- and upcycling possibilities in Munich and to motivate them to use those opportunities. It would be an interactive map with recycling stations and centers, packaging free and second hand stores, arts/crafts tutorials for upcycling, and a network to connect members and exchange ideas

[Find more about AppCycle](#)

Clarify

Our group seeks to develop and use participatory artforms to impart an understanding of science and inspire enthusiasm for science and technology as a whole. We want to help people become more aware of pressing issues, discard false information and sharpen their critical thinking skills

[Find more about Clarify](#)

DATA - PRIVACY - EMPOWERMENT

We live in an age in which data is not only information but an economic good. It is clear that the disclosure of our personal data is inevitably accompanied by a loss of privacy. Especially interesting is the intention-behaviour gap in this field. A greater intention of avoiding the risks of data misuse does not lead to a decline of data-disclosure. In our project we ask how individuals can be empowered to bridge this gap. We are particularly interested in the extent to which the arts can support this process.

[Find more about DATA - PRIVACY - EMPOWERMENT](#)

Influencing People by Social Media

How do different subgroups, especially political players, use social media to influence people for their advantage? Do certain parallels exist between political and non-political influencers? Let's examine the magnitude of the issue and raise awareness!

[Find more about Influencing People by Social Media](#)

LoPA – Lack of Physical Activity

Nowadays, people are becoming more and more inactive due to tempting offers that allow to avoid physical activity. Instead of using stairs, the majority prefers being transported by escalators or even conveyors. Instead of grocery shopping or eating out, people prefer to order food. Instead of going for a walk during the daily lunch break, people deflect themselves by their mobile phones. And instead of exploring the surroundings on foot or by bike, buses or e-scooters are used.

[Find more about LoPA](#)

Steering social behavior

We decided to do our part in making Munich more eco-friendly by raising awareness of easy ways of reducing carbon emission in your day-to-day life. For that we plan to create an app providing provoking notifications and artful podcasts on a regular basis and also gives you the possibility to show your progress to others.

[Find more about Steering social behavior](#)

NEWS FROM THE YEAR 2019

Africast

We, the team Africast, have recently published our last podcast. For now, the episode 7 is available on [Spotify](#) and [Soundcloud](#) and will in addition soon be online on our [YouTube channel](#). In this episode the business student Collins Agyeman from Ghana gives interesting insights about the fast-growing economy and startups in Ghana.

[Find more about Africast](#)

The Quintessence of each lecture...

After a long research phase during which we did not only literature research but also conducted two enlightening case studies at RWTH Aachen and ETH Zürich, we recognized that the elongation of the human attention span could be quite challenging, not to say impossible. Instead, we learned that we might have a good chance in improving the individually perceived attentiveness of students by implementing lecture breaks.

Consequently, we decided to visit six different lectures from all kinds of faculties three times each in November and December 2019. Using a questionnaire that took the students about five minutes to fill in at the end of each lecture, we were trying to measure the student's attention and compare it between a normal lecture, a lecture with a break in between and a lecture with a physical activity break. Moreover, we are comparing the effect of the breaks length by having three lectures of 5- and 10-minute breaks each.

As we finished this implementation phase just before Christmas, we have obtained no clear results yet but we were able to collect many data that will hopefully provide us sufficient answers to our hypothesis.

We are hoping that this project and study helps us to be able to make a recommendation for an implementable and working concept helping students to get a bigger benefit of every lecture.

[Join us on our website to stay in the loop about the latest results from this exciting venture!](#)

SAVE THE DATE

TUM Jogging Club (every Saturday at 11:00 am)

Anyone who wants to get in shape and meet nice people is invited to join the TUM Jogging Club on Saturdays at 11 am in the English Garden. Meeting place is beside the "Milchhäusl" close to Ludwigstraße. No registration needed, just come!

[Join into the TUM Jogging Club!](#)

Tech-Histories Alive lecture series: Prof. Dr. Christian Peschel

The lecture series, hosted by TUM Emeriti of Excellence and Munich Center for Technology in Society / MCTS, presents contemporary witnesses to the history of science and technology. This time, on January 21, 2020 / 6:30 - 8:00 pm / Vorhoelzer Forum, Prof. Dr. Christian Peschel, expert and highly recognized scientist in the field of hematology and tumor biology. Entrance free, registration required.

[Read more - and register!](#)

Bayerisches Staatsballett "Die Kameliendame"

The Task Force Event cordially invites you to the Bayerisches Staatsballet. We are going to visit the ballet "Die Kameliendame" on February 5, 2020 at 7:30 pm at the national theatre.

[Find more](#)

X-ray Symposium, Emeriti of Excellence

The symposium will be held in German.

125 Jahre Röntgenstrahlen – ein "Big Bang" für die Wissenschaft: Von Entdeckungen im Kosmos und in der molekularen Welt über Innovationen in Medizin und Technik bis zur Erforschung von Gemälden / Mittwoch, 6. Mai 2020, TUM Campus Garching

[Program and "how to register", you find here](#)

Street Science at StreetLife Festival / May, 30 & 31 of 2020

For the fifth time, we host the TUM STREET SCIENCE booth at the StreetLife Festival on Saturday and Sunday, May 30 & 31, 2020. Outstanding researchers of TUM will present their field of study and open the world of science to the visitors of the biggest street festival in Munich.

[How to become speaker at Street Science!](#)

TUM Campuslauf 2020 – new record: 2.500 runners

We started the preparation of the biggest sportive networking event. Accept the challenge and become prepared for the TUM Campusrun on March 25, 2020! Gather a team, join and stay tuned! Registration opens April 1, 2020.

[Read more](#)

TUMJA Science Hack 2020 – "Utopia – future cities worth living"

After successfully hosting the 2nd SCIENCE HACK in December 2019 our Task Force CAP already defined the date (June, 27-28) and the motto "Utopia – future cities worth living" of the SCIENCE HACK 2020! Now we are looking forward to planning the event!

[#sciencehack2020 - hosted by taskforce CAP, event & marketing](#)

TUMJA Symposium 2020

The date for our annual symposium is defined: June 18, 2020. Please make sure that you will be able to join our most important event.

[Our 2020 symposium - find more information](#)

You have received this e-mail from TUM: Junge Akademie.

Here you can unsubscribe from the Newsletter.

If you don't agree with the storage of your data in TUM's network database, please send an informal e-mail or a message to: Technische Universität München, TUM: Junge Akademie, 80290 Munich, e-mail: jungeakademie@zv.tum.de