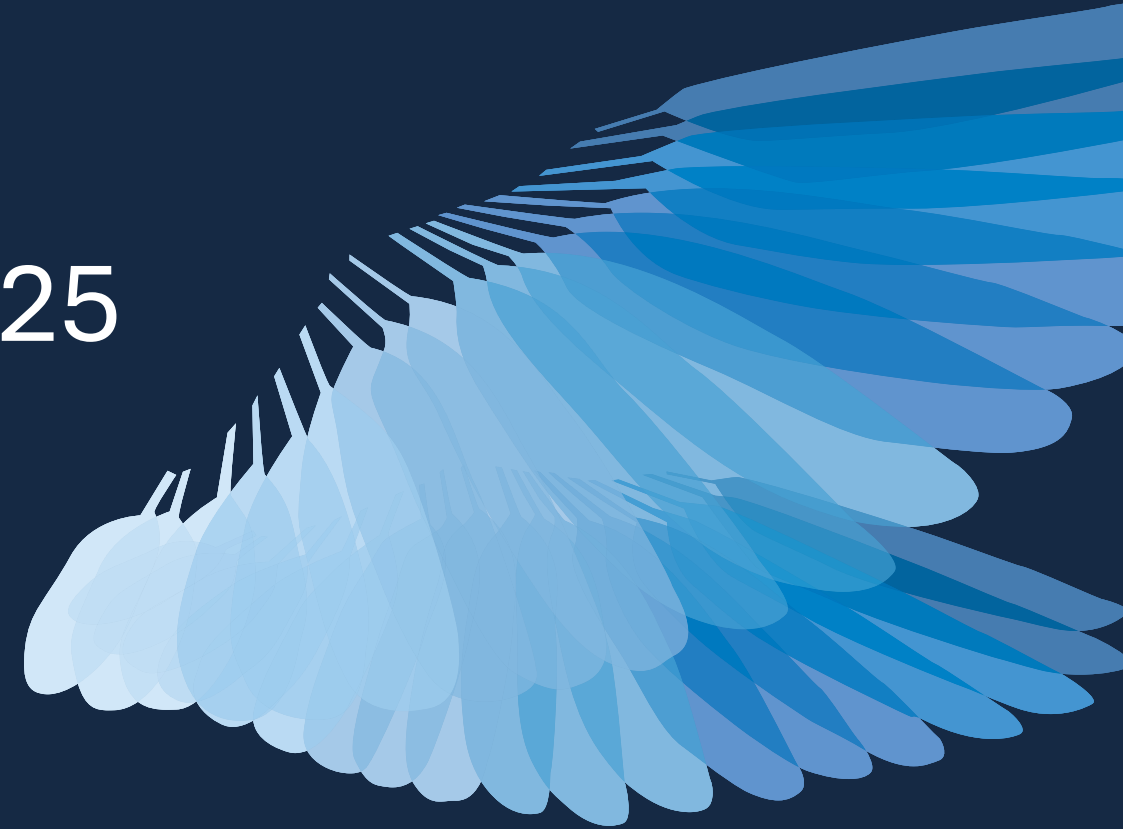


Welcome

Information Event #class25

TUM: Junge Akademie
22nd of July 2024, 6:00-8:00 PM
Theresianum at TUM



Our partners



Agenda

05:30 PM	Arrival
06:00 PM	Opening
06:10 PM	Keynote by Prof. Dr.-Ing. Gerhard Müller, Director of the TUM: Junge Akademie
06:25 PM	What is TUMJA? – A closer look
06:40 PM	Application Process
06:45 PM	Q&A Session
07:00 PM	Get-together, meet current scholarship holders
08:00 PM	Wrapping up

This year's call:

Future Societies

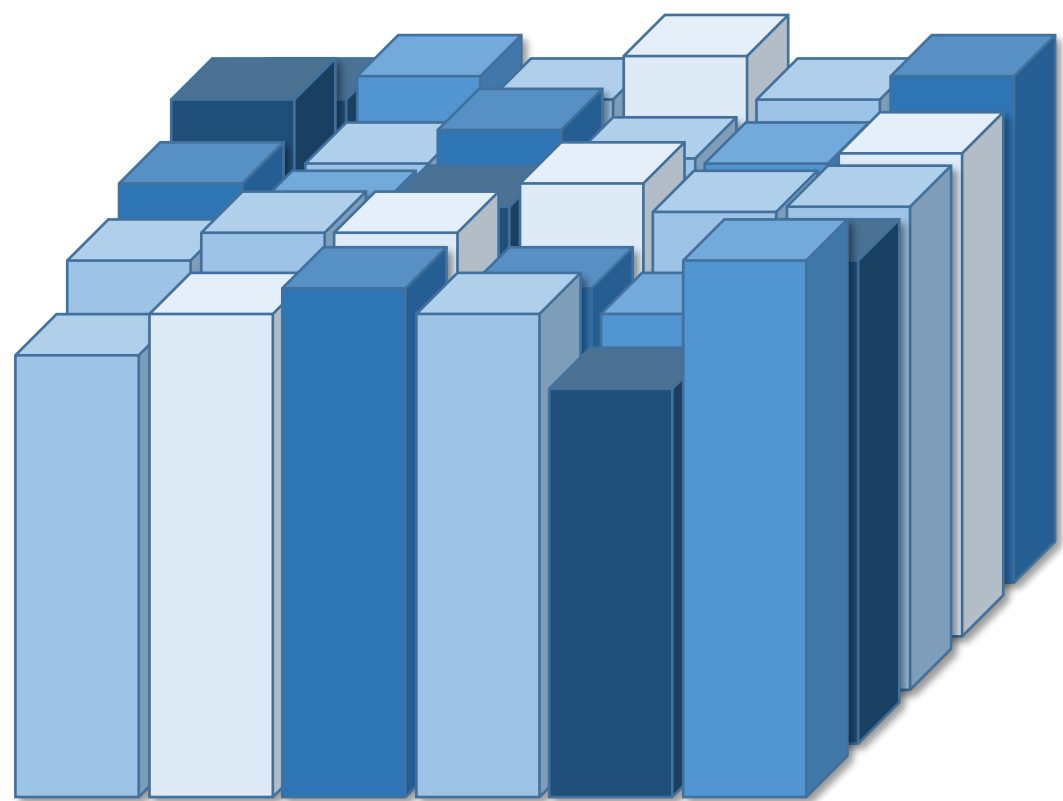
New Options, New Competencies, New Dynamics

The Race between Education and the Enabling for Options

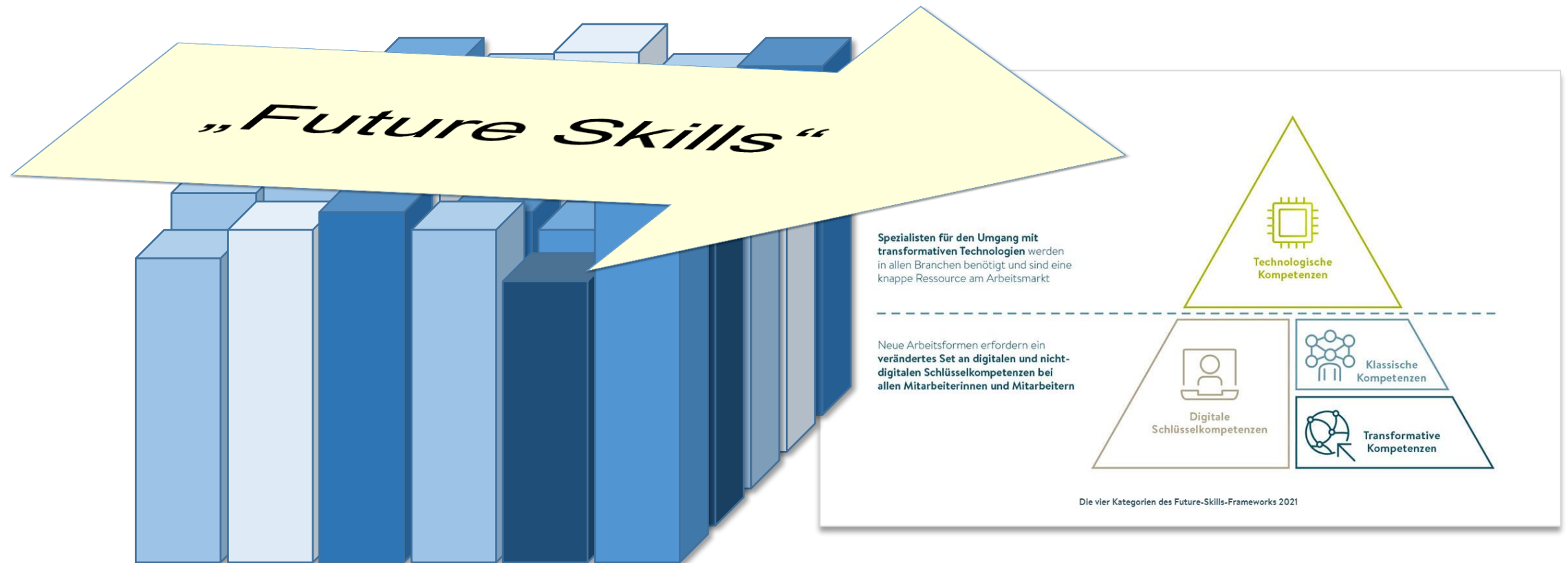


Inspiriert durch Goldin, C. and Katz, L.F., 2010. The race between education and technology. Harvard University Press.

Future Skills?



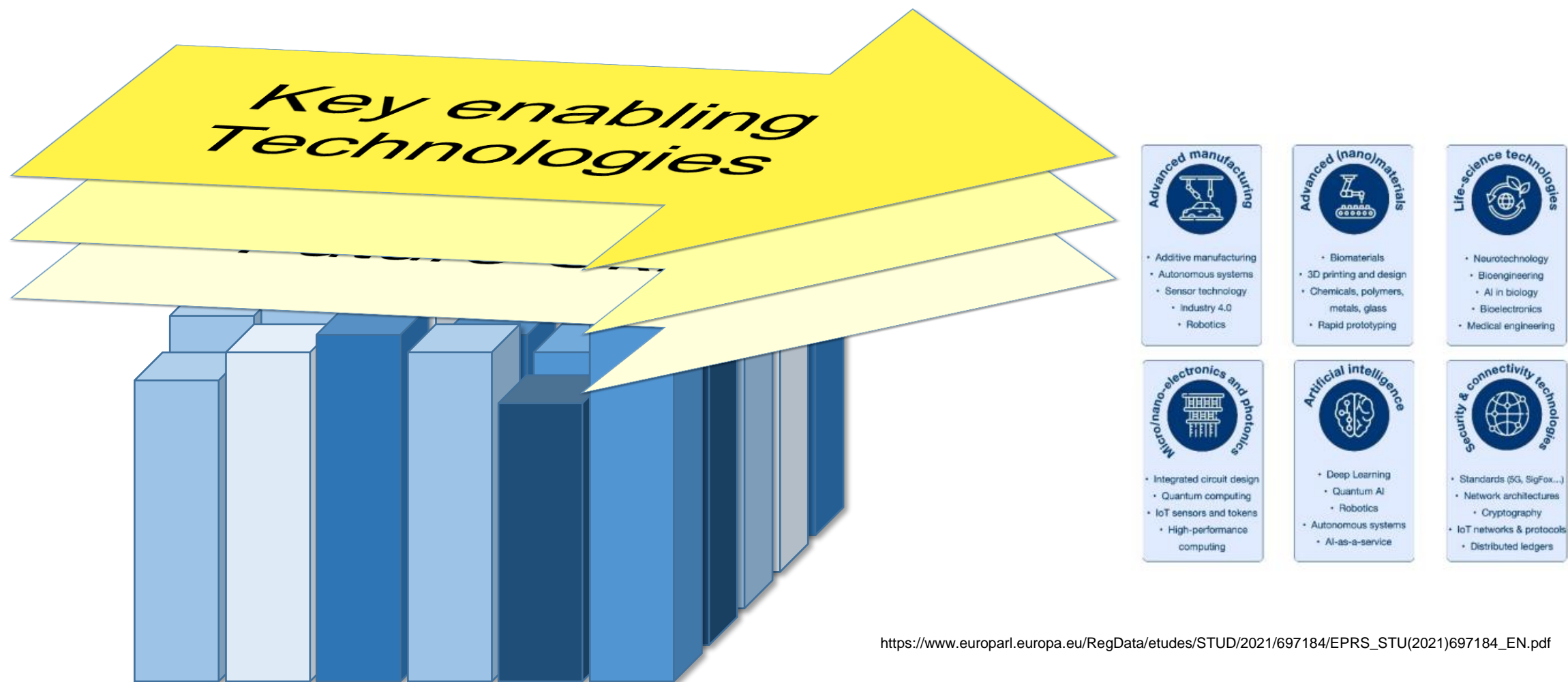
Transformatory Skills



Target-oriented Skills



Technical Skills



Identifying Talents and Creating Teams...

Technological dynamics:

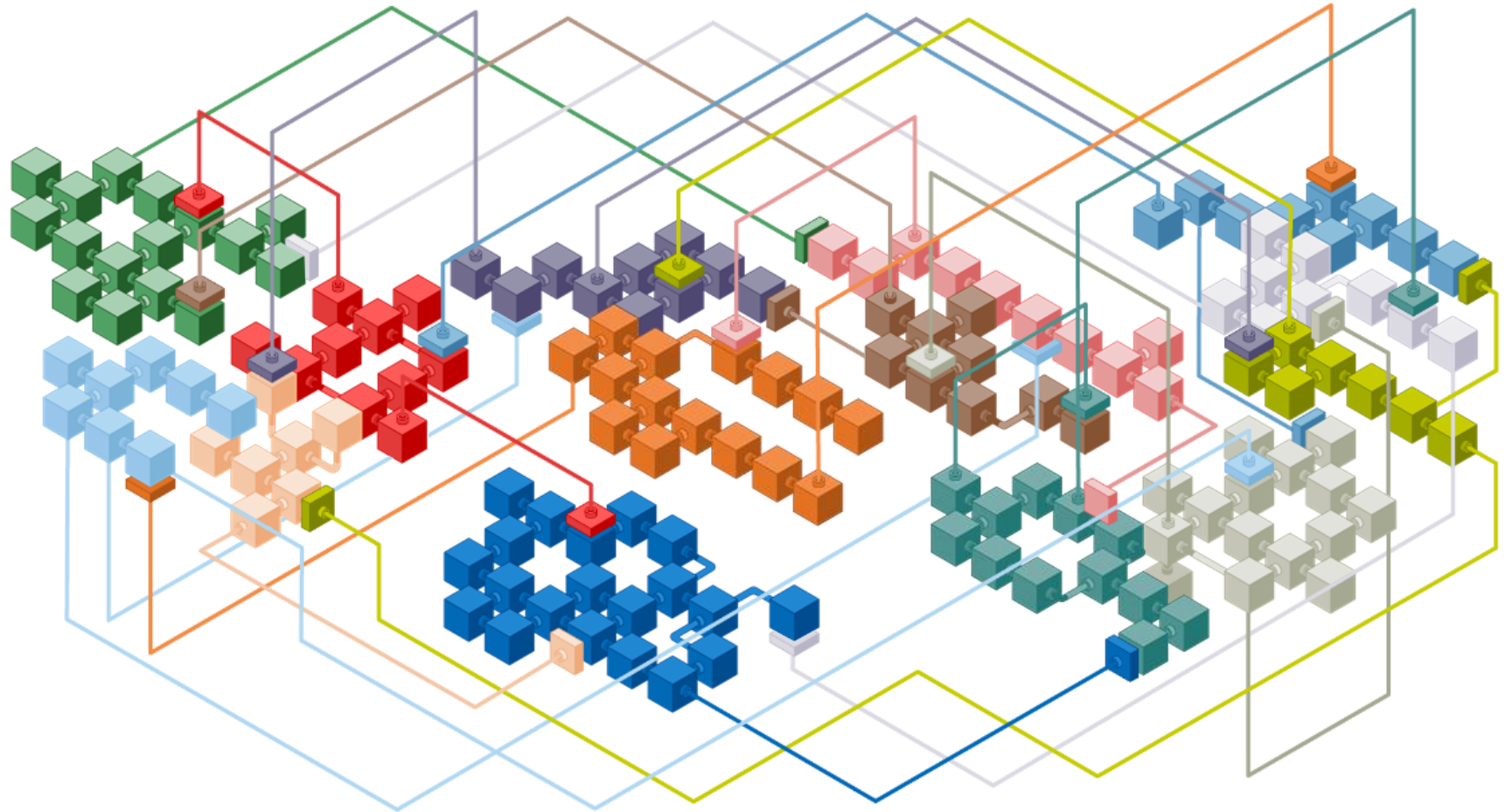
*... quality of life for everyone
and solving global problems*

Socioeconomic Dynamics:

*... ways of thinking, arguing,
informing, living and working*

Dynamics in Skills Demand and Professional Identities:

*... holistic thinking. Self-
awareness*



What is TUMJA? – A closer look

What makes TUMJA special?



Scholarship Program

for exceptionally talented and dedicated students at TUM, HfP, AdBK, HFF and HMTM



Passion for Science

Working on a scientific project is the core element of the TUMJA scholarship.



Vibrant Network

of alumni, professors, TUM Emeriti of Excellence and young researchers.

What is TUMJA? – A closer look

What is in it for me?

Project work	conduct research on a question chosen within your team
Taskforces	work in one of six taskforces (<i>TUMJA is mostly organized for students, by students</i>)
Events	have a lot of fun next to doing research ;)
Networking	with TUMJA scholars and alumni/ae from different universities and study programs, professors and employees from partner companies

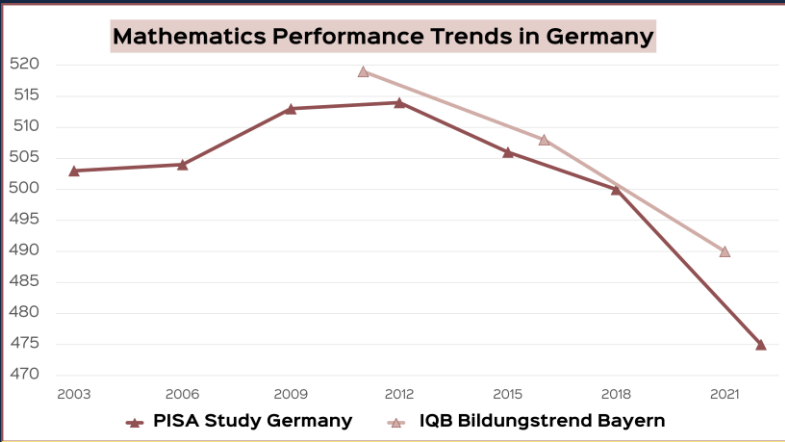
What is TUMJA? – A closer look

Projects: Examples from previous years I

ERIK*A
Aufklärung macht Schule

Workshopbericht vom 08.10.2023
„Zukunftswerkstatt Sexualekundeunterricht“
Durchgeführt von Tina Schiele und Daniel Gögelein

ERIK*A • class23
*Evaluating and improving
SexEd in Bavarian schools*



PRISMatrix • class24
*Improving math skills in high
schoolers through creativity*

TUMANYwords

Our project aims to create a website which displays information on the application process at TUM more accessible. By this we intend to support international students and those with disabilities, as well as make the TUM application process faster and less prone to errors by the applicant.

Research phase

- Search for model websites
- Informing about application process B.Sc. Mathematics
- Contact with experts (Denise Lichtig, Director of Language Center; Norman Matzka, Manager of website-re-launch)

Model design

- Design and implementation of pre-test with 6 highschool students (11th grade)
- Design of new website based on results (mock-up)

Model testing

Results of model testing

User Experience Scores Website Version A

Category	Score
Efficiency	~4.5
Reliability	~4.5
Usability	~4.5
Flexibility	~4.5
Novelty	~4.5


Time Needed for Task 1 (20A) = 21, 21B = 25

Time Needed for Task 2 (20A) = 15, 21B = 24

TUMany words • class23
*Simplifying the TUM
application process*

What is TUMJA? – A closer look


Projects: Examples from previous years II



Wer, wenn nicht wir...
bei der Team-Challenge

10. TUM Campuslauf
15. Mai 2024

www.ja.tum.de/ja/events/campuslauf hosted by TUM Jump Akademie



runTUMfit • class12
*Improving fitness among TUM members by running together
(now: TUM Campuslauf)*



windfo
Researching means of
information on wind energy

windfo • class24
*Helping professors communicate
research on social media*

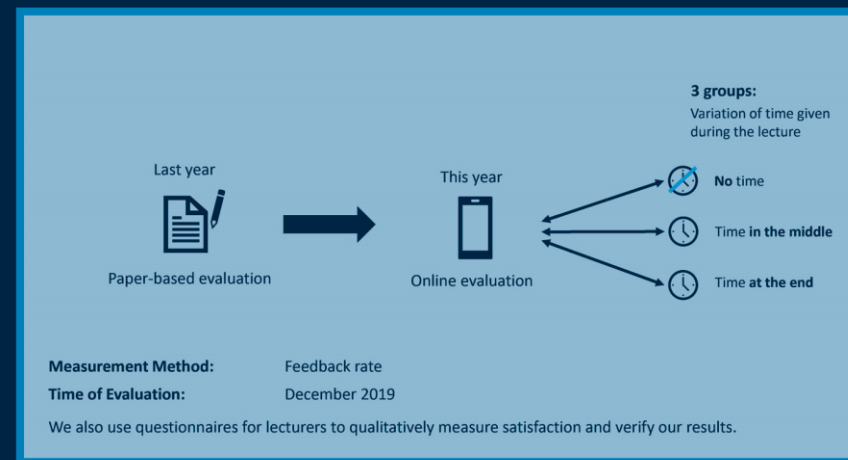
What is TUMJA? – A closer look

Projects: Examples from previous years III



TUM Bikes sharing • class12
Identifying needs for bikesharing on campus (now: MVG Bikes)

Variation of Evaluation Medium



We want to thank our partner – the Munich School of Engineering (MSE)

EvaluaTUM • class19
Improving teaching at TUM through student evaluation (now: EvaSys)



LETO • class21
Helps you find a study buddy at TUM

What is TUMJA? – A closer look

Taskforces



CAP

Contacts, Alliances, Partnerships
*builds & maintains
partnerships with
companies &
sponsors*



Marketing

*designs advertising
materials (flyers,
posters, hoodies)*



Symposium

*concerned with
organizing the final
presentation of
the class*



Recruiting

*accompanies the
application process
for the next class
(assess applicants,
plan info events)*



Events

*plans internal
events (dragonboat
race, museum visits,
company tours)*



Mentoring

*organizes mentors
(professors, people
from partner
companies) for
scholarship holders*

What is TUMJA? – A closer look

Events: Examples from the recent years



Dragonboat Race • 2022

TUMJA members racing as team "OlympJA - Schneller als Hermes"



Stilblüten • 2023

literary workshop for TUM members



Fireside Chat • 2024

panels on various topics, moderated by TUMJA students

What is TUMJA? – A closer look

Networking

Benefits from Networking

Discuss ideas with experts

Letters of Recommendation

Internships, working student positions

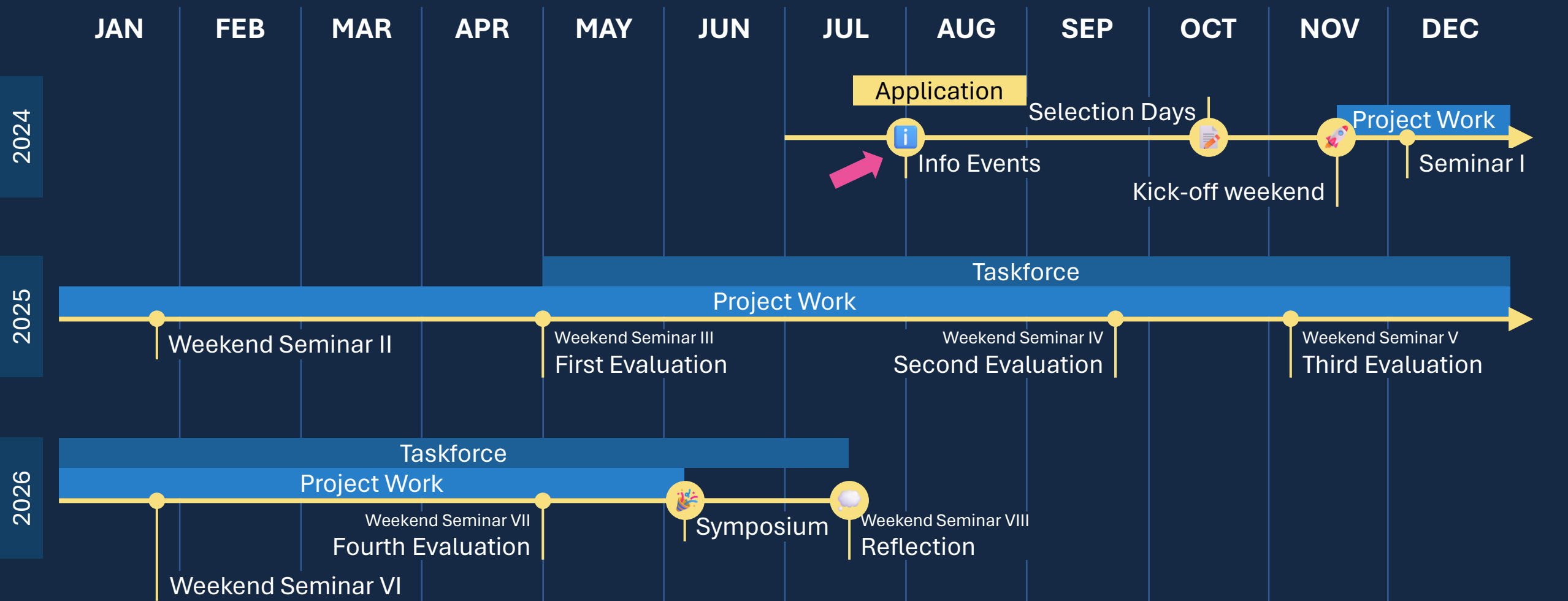
Receive feedback from experienced professionals

Choosing a topic for your thesis

Advice from people who had similar experiences

What is TUMJA? – A closer look

The 20-month schedule



What is TUMJA? – A closer look

Expectations

You can expect...

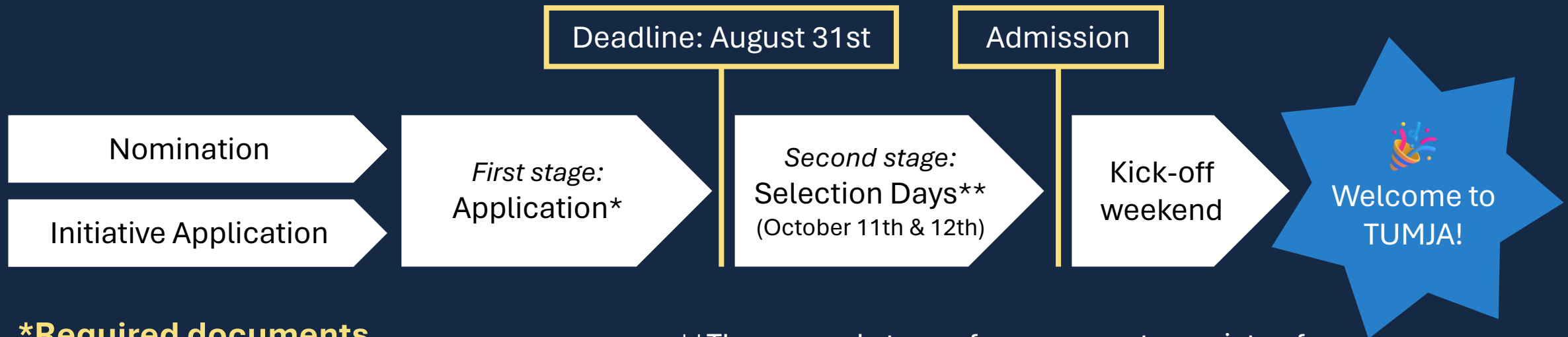
- **Trainings, workshops, cultural events**
- **Close contact** to university staff
- **Support** (financial + non-financial) for **realizing your ideas**
- **Meeting likeminded people** from other study programs and working with them in a team
- **Mentoring** from alumni of the program

We expect...

- an **honest interest** in science (*don't just "do it for the CV"*)
- **commitment** to the 20-month project work
- **commitment** to the taskforce work

Application Process

Interested? Here's how to apply!



*Required documents

- **Letter of Motivation** (anonymized)
- **CV** (anonymized, tabular)
- **Grade report**
- Essay **OR** Video on this year's call

*Required for initiative applicants,
optional for everyone else:*

- Letter of Recommendation

**The second stage of assessment consists of:

- **Personal interview** with tutors and mentors
- **Exchange your ideas** for this year's call with other applicants
- a **Group task**

Be present on one of two days!

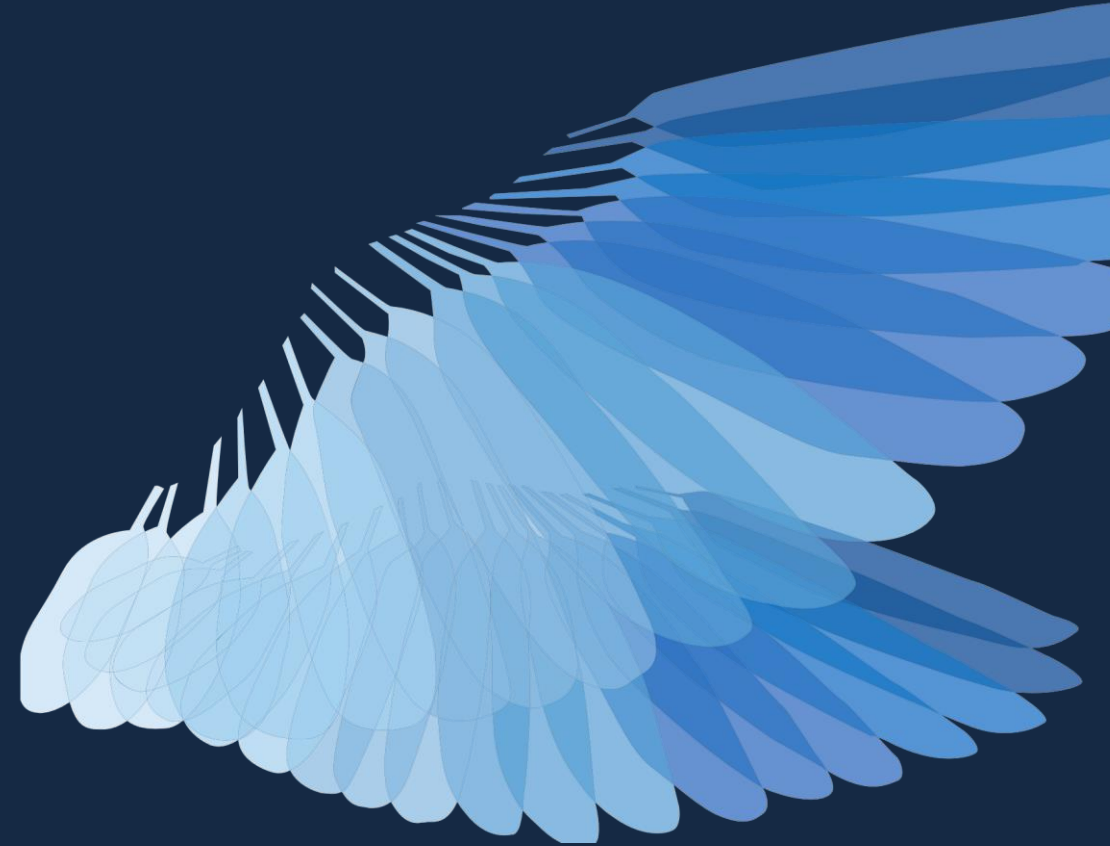
Contact us in case you are abroad, for example.

Q&A Session

Any questions?

Thank you for your attention

We're looking forward to
your application!



Our partners



Please join us in the foyer for a get-together

Exchange ideas with other students and meet current
scholarship holders

+ grab some drinks and food