Welcome Information Session Year 2018

2018, July 05th / 6.00 - 7.30 p.m.
Technical University Munich / Theresianum / HS 0605
Agenda

Official Welcome & Call for Projects
Prof. Dr.-Ing. Müller, Senior Vice President of TUM, Director of TUM: Junge Akademie

Introduction to TUM: Junge Akademie

Insights from Current Members

The Application Process

Questions & Answers
Official Welcome

Cooperation between HFF, HMTM and TUM: Junge Akademie
Challenge of complexity

(Abraham Maslow 1908-1970)
Organizing complexity: disciplines

- interest, talent
- tools
- ways of thinking... abstraction, modelling, scientific processes
- experiences... interfaces
- reduction of the reality, realization
Disciplines

- interest, talent
- tools
  - ways of thinking…
  - abstraction, modelling,
    scientific processes
- experiences…
- interfaces
- reduction of the reality,
  realization
Disciplines

Informatics

Mechanics

Processes

Material

... Mathematics

Interests, Talent
Complexity...
trans-disciplinarity

interest, talent

tools

ways of thinking, abstraction, modelling, scientific processes

experiences... interfaces

reduction of the reality, realization
Call for Projects
Prof. Dr.-Ing. Gerhard Müller

“Multimodal Science Communication”

• What modes are used for communication?
• Is information filtering inherently bad?
• How do we use technological tools to communicate properly? Does this distort the information received?
• How do we communicate our models and concepts?
• How to obtain attention

The members of TUM: Junge Akademie will have to organize responsible communication throughout their entire career. We want to support them to develop the necessary skills early on.
Call for Projects

“Multimodal Science Communication”

• Communication of new findings can fail to convey the key assumptions and models they were based on.
• Due to the complexity and due to the interactions between technology, society and the environment, the information and the way it’s transmitted can meet challenging limits.
• What can be done so that results are not exploited in an unspecific manner and abused?
• How can we avoid getting scientific results so distorted that no objective benefit can be obtained,
• What to do when public opinion has already suffered unjustified damages?
• What characterizes objectivity and how can it be upheld in discourses?
• What would our universities look like if all available options for modern communication would be implemented in an optimally adjusted and synchronized manner?
• …?
Introduction to TUM: Junge Akademie

What is TUM: Junge Akademie

TUM: Junge Akademie
The scholarship program for the bright minds of TUM

- Mentors
  Professors and Emeriti of Excellence
- Interdisciplinary exchange with fellow students
- Workshops and events
- Project phase
- Personal Development and Impact
- External partners
- Network
Introduction to TUM: Junge Akademie

Active Membership
Introduction to TUM: Junge Akademie
What you can expect and what is expected from you

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<tr>
<th>What you get</th>
<th>What you give</th>
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<td>▪ Grow by working in a scientific, socially relevant and interdisciplinary project</td>
<td>▪ Commit to the project of your choice</td>
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<td>▪ Act as a member in an interdisciplinary network of dedicated students, researchers and professors</td>
<td>▪ Contribute to the program by working in a taskforce, as a tutor, or in a senior project</td>
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<td>▪ Benefit from a variety of trainings, workshops and cultural events</td>
<td>▪ Participate regularly in workshops and events</td>
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<td>▪ Profit from advice and criticism given by experts in their fields</td>
<td>▪ Schedule sufficient time (approximately five hours a week)</td>
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<td>▪ Realize your ambitious ideas in an environment that opens doors and provides you with a network of opportunities</td>
<td>▪ Challenge yourself, both personally and professionally</td>
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<td>▪ Have fun and be inspired by working with ambitious people</td>
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Insights from Current Members

Project year 2017/I

“Our goal is to develop an all new digital platform that simplifies civic participation to make political participation opportunities more accessible.”  - Team Civic Participation

“Our project idea is to carry out a summer program for kids and teenagers in a fun and meaningful way, raising awareness and tolerance towards diversity.”  - Summer of Diversity

“We strive to disseminate knowledge and interest in science into the general public in a context that is freely accessible.”  - StreetScience @ The Streetlife Festival

“Political knowledge should be taught interestingly and attractively to pupils and their interest in political topics should be awakened.”  - Politik im Alltag
Insights from Current Members
Project years 2017/I (cont.) & 2017/II

“What characterizes successful teamwork in science? How can young researchers get together for a successful and sustainable teamwork?”

- Team MatchBox

“Generation of Competence for Handling Information Critically”

“We strive to understand the factors which influence the credibility of individuals when discussing scientific content.”

- Frammersion

“Media bias on the human behavior”

“How does awareness of clustering of the Google search engine results affect a user’s opinion on relevant topics?”

- ClusterME!
Insights from Current Members
Project year 2017/II (cont.)

“Our vision is to investigate, understand and improve the interaction process between science and politics.”
- SciCom

“Our goal is to give the consumer a conscious look at common advertisement practices and to help them recognize untruthful statements about products.”
- SchachLeak

Want to know more about the projects?
Ask us directly after the presentation!
Insights from Current Members

Events 2017/18

- Future Lab
- Annual Conference
- Academy Talk
- Workshops
Insights from Current Members
Events 2017/18

- Culture: Junge Akademie goes culture, ...
- Sports: Sailing, Campuslauf, ...
- Getting Together: Running Dinner, Stammtisch, ...
- Adventures: Boxtraining, Kart racing, ...
The Application Process

Deadlines and required documents

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<th>Jul</th>
<th>Sep</th>
<th>Oct</th>
<th>Nov</th>
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<td>Nomination</td>
<td>Application Deadline: September 16th</td>
<td>Selection Days</td>
<td>Kick-Off Weekend</td>
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**Required documents for application**
- Letter of motivation
- Your CV
- Grade Report from your University
- *perception (essay/video) regarding this year's call*
- *In case of an unsolicited application:*
  A letter of support by a professor

**Selection Days**
Be present on one of the two days
- Interviews with tutors and mentors
- Exchange of your ideas and views on that year's call
Questions & Answers

Frequently asked questions

“Can I spend time abroad during the project phase?”

Make sure that you:

• Accomplish a strong role in the project and a taskforce!
• Don’t underestimate the commitment!
• Don’t abandon your teams!

At the same time:

• We want you to grow!
• See the world, make experiences, build a global network.
• Add an international perspective to the project.
• Contribute from abroad.
Questions & Answers

Frequently asked questions

“I am in a late stage of my studies and might leave Munich within the next 1.5 years. Does it still make sense to apply for the program?”

If you are not sufficiently present the program will not be of much use to you.

Your teams rely on you just like you rely on them!

• Make sure you can actively contribute to the project and the network.
• Ask yourself: “Do I really benefit from the program?”

→ In case of doubt come talk to us.
Your Questions
We are looking forward to receive your applications!

Thank you for your attention!