



Imperial-TUM-NTU Global Fellows Programme

The Role of Robotics in Well-being and the Workplace

From 20th - 24th June 2022 the Technical University of Munich (TUM) will host the **2nd trilateral Global Fellows Program** in partnership with **Imperial College London** (Imperial) and the **Nanyang Technological University, Singapore** (NTU Singapore).

In the current scientific environment, **international collaborations and networking** are the basis for developing successful projects. In a competitive research environment, funding is increasingly drawn to interdisciplinary, collaborative research with partners from around the world. The modern researcher requires both excellence in research and professional skills and competencies.

This exciting program is designed to facilitate participants to actively focus on the development of these professional skills and competencies. Approximately **40 doctoral researchers** from Imperial, NTU and TUM will work together to develop professional, research and collaborative skills as well as the intercultural awareness that is required to establish and continue successful collaborations.

Participants will also have the opportunity to apply those skills and competencies to address topics under the program theme **“The role of robotics in well-being and the work place”**. Robotics, robot alike systems and artificial intelligence not only have in-depth implications for manufacturing and industry but also enable new approaches to tackle societal challenges like aging society and healthcare. Furthermore, the rapid technology advances also demand for continuous adjustments and new approaches of how we deal with permanent disruptions to established patterns in our everyday life and work, as well as how we relate to one another.

During the program, participants will engage in intercultural, interdisciplinary and intersectoral discussions and develop their own creative approaches to handle and use robotics to tackle societal challenges and enhance everyday life and work. Furthermore, guest speakers from Imperial, NTU and TUM will provide participants with insight into current research in (but not limited to) human-robot interaction, the future of work, policy making and ethical aspects of robotics and AI, impact of rapidly advancing technologies on everyday wellbeing, as well as robotic technologies for elderly & health care.

A background on the subject is not needed. Doctoral candidates from any discipline are invited to apply for the 5-day professional skills course. This is a chance to challenge yourself outside of your normal working environment, meet people from other disciplines and cultures, and have fun!

1. Programme Information

During this 5-day course, participants will work in interdisciplinary and international groups, assisted by a coach from one of the three partner universities. During the program, participants will enhance:

- Their ability to work collaboratively on research ideas
- Their ability to network and communicate effectively and with impact in interdisciplinary and intercultural teams
- Their intercultural and international competency and awareness
- Their creativity to develop collaborative research ideas
- Their appreciation of research in international institutions

NTU will provide partial supports to successful applicants that include accommodation, meals, and COVID-19-related tests. Insurance during the stay in TUM is being explored with Office of Global Education and Mobility (OGEM).

There will be an opportunity to tag on a research visit to Imperial or TUM immediately following the programme. More information will be made available to selected participants.

2. Eligibility and how to apply

NTU participants must:

- Be a current doctoral student from any discipline
- Be between 12 and 36 months into their PhD at the time the programme takes place (6 and 48 months for part-time students).
- Not have taken part in a previous Imperial College Global Fellows Programmes.

3. Application process

Doctoral students need to fill the online [application form](#) by the **18th of February 2022**. In their application applicants should:

- Show their awareness of competencies and skills needed to develop international collaborations
- Explain what they expect to contribute to and gain from the programme
- Demonstrate enthusiasm for engaging with international peers from the partner universities
- Explain how their current competencies, skills and knowledge (e.g. communication skills, adaptability, technical skills, creativity) can support the development of **innovations** linked to **“The role of robotics in well-being and the workplace”**
- Show their willingness to be an ambassador for NTU
- Show their willingness to share their experiences on the programme within the NTU post-graduate community after the programme.

Successful applicants will be notified within 4 weeks of the application deadline.

Note: Due to the large volume of applications expected, it is not possible to provide feedback on individual applications.

COVID-19 Measures: As the situation with the pandemic is evolving, applicants are to take note that the programme may be switched to online only in accordance to the regulations at that time.

Imperial and TUM supervisors can host visiting students at their discretion and the process is mostly managed within individual research groups and academic departments. Keeping in mind the registration and visa process for visits to the UK and Germany, applicants interested in the attachment opportunity are encouraged to explore and start the process 4-6 months before the visit. Additional information can be found here:

- Imperial College London: <https://www.imperial.ac.uk/study/ug/apply/how-to-apply/visiting/>
- TUM: [Study stays for international students - TUM Global & Alumni Office](#)

If you have questions, please write to the Associate Dean (Global Partnerships) at the Graduate College (ad-gp-gc@ntu.edu.sg)