The Munich Data Science Institute (MDSI) at the Technical University of Munich (TUM) invites applications for

**Linde / MDSI PhD Fellowships**

This unique fellowship program is designed to foster interdisciplinary collaboration and promote innovative approaches to addressing data science challenges. All Linde / MDSI PhD Fellows across different disciplines will become an essential part of MDSI’s thriving and dynamic research atmosphere. They will participate in the specially tailored MDSI training program. Furthermore, they will be co-located at the facilities of the institute as needed. Collaboration and interaction with fellows and faculty from other areas of research is highly supported.

In this call for applications, we aim at recruiting new fellows from:

**All areas of data science, machine learning and artificial intelligence, their mathematical foundations, and their application in the various scientific fields represented at TUM.**

To apply for a fellowship, doctoral candidates must compose a **motivation letter** which outlines their interest for the PhD thesis and connection to the above research areas. In this context, it should reflect on past achievements and the applicant’s academic track record so far.

Furthermore, applicants must compose a brief **research plan** describing their ideas for the thesis topic. As part of this, they elaborate on fitting research groups with which they would like to establish contacts, at TUM (and elsewhere). In particular, the group that will be hosting the doctoral researcher at TUM must be described. Ideally, the doctoral candidates coordinate the research plan with their future supervisor.

Furthermore, candidates must **contact a potential thesis supervisor** at TUM. Eligible as supervisor are all professors at TUM ([https://www.professoren.tum.de/en/](https://www.professoren.tum.de/en/)); also see Regulations on the Awarding of Doctoral Degrees at TUM ([https://www.professoren.tum.de/en/tum-junior-fellows](https://www.professoren.tum.de/en/tum-junior-fellows)) with a thematic fit to the general areas described above.

The supervisor must agree to providing the second half of the applicant’s salary (co-funding principle). To that end, they must sign the **support letter** provided with this call for applications. Please note, that the fellowship supplies only 50% of the doctoral researcher’s salary, regardless of the actual number of contractual work hours.

Applicants who are not already working at TUM should be aware that this process may take a considerable amount of time. Therefore, it is advisable to approach potential hosts well in advance before applying.

**Eligibility:**

- Excellent master’s degree (or equivalent)* in computer science, mathematics, engineering, natural sciences or other data science related social disciplines.
- General admission requirements for a doctorate at TUM are met as defined here: [https://www.gs.tum.de/en/applicants/application/](https://www.gs.tum.de/en/applicants/application/).
- Membership in the TUM Graduate School (as per supervision agreement) cannot have started before February 26, 2023.
Please provide the following documents:

- CV including a list of publications and awards (if applicable).
- Scanned transcripts of certificates (bachelor’s degree, master’s degree including transcript of records, other degrees or awards).
- Motivation letter as described above (max. 500 words).
- Research plan as described above (max. 500 words).
- Names and addresses of two persons who can provide recommendation letters. Please inform the reference persons to send the recommendation letters directly to MDSI before the call closes (to application@mdsi.tum.de, e-mail subject: Letter of recommendation - <your name>).
- Support letter of the chair who is willing to act as a host (see attached). In this letter, the host agrees to supply one half of the PhD funds. The hosting chair should send the support letter directly to MDSI before the call closes (to application@mdsi.tum.de, e-mail subject: Letter of support - <your name>).

Please submit your application as one pdf file to the following e-mail address: application@mdsi.tum.de (e-mail subject: Application PhD fellowship - <your name>), application deadline is 26 February, 2023. Notification about the results is planned for May, 2023.

Successful applicants will be hired in line with the current German collective pay agreement, up to TV-L E13. The fellowship period will have a maximum duration of three years. Applications from disabled persons with essentially the same qualifications will be given preference. TUM strives to raise the proportion of women in its workforce and explicitly encourages applications from qualified women.

As part of your application for a position at the Technical University of Munich (TUM), you are transmitting personal data. Please note our data protection information in accordance to Art. 13 General Data Protection Regulation (GDPR) for the collection and processing of personal data in the context of your application. By submitting your application, you confirm that you have taken note of TUM’s data protection information (https://portal.mytum.de/kompass/datenschutz/Bewerbung/#English).

*If you are still studying for your master’s degree you may send a bona fide statement from the university, stating the examination marks already obtained. In addition, you will have to finish your master’s studies before starting the PhD.