The Hector Research Institute of Education Sciences and Psychology is currently inviting applications for the following position:

3-year doctoral position (m/f/d) on
Natural Language Generation
(75%, E 13 TV-L[1])

We are looking for an excellent doctoral candidate who is motivated to work on the interdisciplinary field of Artificial Intelligence in Education (AIED), more specifically focusing on **Controllable Natural Language Generation.** The position is part of a new AI research group funded by the Federal Ministry of Education and Research (BMBF) and led by Dr. Xiaobin Chen, who will also act as the primary supervisor of the doctoral candidate. The research focuses of the positions will be on **developing a readability controllable natural language generation technology**. Applicants with backgrounds in any of the following or related fields are encouraged to apply: computational linguistics, natural language processing, computer science, machine learning, artificial intelligence, deep learning.

The position comes with a 3-year contract and the candidate is expected to start as soon as possible. However, the specific starting date is negotiable to accommodate the candidate's individual circumstance.

The Hector Research Institute is a nationally and internationally leading research centre in education and psychology. Currently, around 80 scientists are tackling questions related to educational processes and educational attainment with a uniquely interdisciplinary approach combining knowledge from the fields of psychology, education sciences, and many more (e.g., computational linguistics, neuroscience, sociology, artificial intelligence, etc.). More information can be found at https://www.hib.uni-tuebingen.de.

Benefits

The doctoral candidate will benefit from unique opportunities, including:

- Close collaboration, mentoring, and professional development from a supervisory team
- Work with an inspiring, multidisciplinary, and international team that includes many other talented PhD candidates
- Supportive environment to enable presentations at national and international conferences and publications in highly ranked journals to advance an (international) academic career
- Opportunities for interdisciplinary and international exchange programs (e.g., lab visits)
- Membership in the LEAD Graduate School & Research Network (**https://www.lead.uni-tuebingen.de**)

Requirements

Graduates (and applicants about to graduate) with a master's degree in computational linguistics, natural language processing, computer science, machine learning, artificial intelligence, deep learning with excellent grades and a strong interest in interdisciplinary research are encouraged to apply. Experience with natural language processing and skills in computer programming with popular languages such as Python, Java, Node are desirable. Knowledge of AI in education and educational research experience are preferred but not necessary.

[1] According to the general pay scale of German universities, the salary will be "E 13TV-L". This corresponds to a monthly salary of at least EUR 3.141 (75% position, gross pay, before tax). After taxes as a single (i.e. not married or living with a life partner; no children), the monthly salary is at least EUR 2.017 (net salary after taxes and health insurance payments). Your income will increase annually if you remain employed. Information regarding cost of living in Tübingen: https://tuebingenresearchcampus.com/tuebingen/

For further inquiries about the position, please reach out to Dr. Xiaobin Chen (xiaobin.chen@uni-tuebingen.de).

How to apply?
Please send the following documents in **one single PDF file** via email with the subject line "**POLKE-AP3**" to jobs@hib.uni-tuebingen.de by October 14, 2022:

1. Cover letter detailing (1) your motivation to pursue a doctoral degree in Tübingen, and (2) your past experience related to the position
2. CV
3. Degree(s) and other certificates with transcripts
4. Reference letters (optional)

Disabled candidates will be given preference over other equally qualified applicants. The University seeks to raise the number of women in research and teaching and therefore urges qualified women to apply for these positions. Employment will be conducted by the central university administration.