At Vienna University of Economics and Business (WU - "Wirtschaftsuniversität Wien"), we see the enormous potential of

- recent advances of AI methods (deep learning, large language models, foundational models, generative AI as such), paired with
- established and robust algorithmic methods in information systems and operations management (such as Data and knowledge engineering, Process Mining, Scheduling, Optimization, Data Science)

to disrupt the ways that business and economics will function. Our team of world class researchers in the Department of Information Systems and Operations Management approaches these novel challenges from various interdisciplinary perspectives.

For building up a new and innovative research group in the field of AI and Machine Learning, we are looking forward to innovative proposals by *high-potential researchers* (up to 8 years after completion of the PhD) that want to contribute to our vision to strengthen WU in the area of Artificial Intelligence by taking part in the current call of Vienna Research Group grant by Vienna Science and Technology Fund (WWTF) in Information and Communication Technologies.

In case of a successful application in the WWTF call we offer:
- the challenge to build up your own research group in an excellent and supportive environment, accompanied by an attractive funding package offered by the [Vienna Research Group grant by Vienna Science and Technology Fund (WWTF).](#)
- the opportunity to obtain a long-term, tenure-track perspective to candidates successful in this call
- the opportunity to contribute to, shape and further develop teaching programs in AI, Data Science, and Digital Economy in our university
- the potential to proceed to a *full professorship* after successful completion of the initial funding period
- a modern campus with spectacular architecture in the heart of Vienna

In line with WWTF's call that states that "*the proposed field of research should contribute to fundamental scientific advancement in the area of AI/ML*" with "*a special emphasis to link AI theory with data and knowledge of other research fields*", we invite proposers to present a convincing project idea that matches WU's above-mentioned goals and vision, including, but not limited to the following topics:

- foundations for novel applications of AI in information systems and business processes
- hybrid methods of AI that combine different approaches in fundamentally novel ways (e.g., machine learning, knowledge graphs, knowledge representation and reasoning, language technologies)

We are looking forward to fundamental ideas, not necessarily application-driven, and as such we will pre-select WU's support for candidates that hand in a short pre-proposal, which meets the criteria outlined in the above linked WWTF call. Potential candidates, once selected by WU, will then go on to submit a full proposal together with an experienced WU host institute (proponent) to WWTF.

As a potential candidate, you should have the following qualifications:
- Doctoral degree/PhD and two to eight years post-doctoral research experience (care duties may extend this period up to four years)
- Employment at a foreign research institution for at least two years in the last three years
- Excellent publication record in the mentioned fields of research
- Experience in acquiring and participating in third party funded research projects.

Please submit your application in English to forschungsservice@wu.ac.at no later than January 14th, 2024.
The following documents are required:
- Academic curriculum vitae
- Short proposal for a Research Group (3-5 pages, draft version, but in line with WWTF's call criteria)
- Letter of support by a potential host institute at WU
- List of publications and research projects
- List of teaching experiences and courses