The Bonn-Aachen International Center for Information Technology (b-it) at Universität Bonn and the Fraunhofer-Institute for Intelligent Analysis- and Information Systems (Fraunhofer IAIS) are inviting applications for a

**W2-Tenure-Track Professorship for Applied Machine Learning**

to be filled as soon as possible by way of joint appointment between University and Fraunhofer.

Applicants are expected to have demonstrated successful research in one or more of the following areas:

- Algorithms and methods of Machine Learning
- Use of Machine Learning in industrial contexts
- Machine Learning for pattern recognition in multimedia data (Image, Text, Language, Speech, Video)
- Certification, dependability and data issues in Machine Learning
- Economic aspects of Machine Learning in enterprise deployment

The successful applicant represents the area in research at teaching at b-it and at the same time takes on scientific and transfer responsibilities at Fraunhofer IAIS by way of joint appointment and/or leave of absence. Successful research grant applications, the acquisition of application projects from companies, and the establishing of close cooperations with industry are expected, corresponding demonstrated experience is very welcome. If interested and qualified, the successful applicant can take on further leadership responsibility at Fraunhofer IAIS. Teaching will address all stages of study in the German and/or English language, so relevant experience is expected.

Formal requirements are defined by § 36 of the Higher Education Act of North Rhine-Westphalia (Hochschulgesetz Nordrhein-Westfalen). The position is initially appointed for five years and will then be tenured following successful tenure evaluation by University of Bonn and Fraunhofer-Society. Tenure does not depend on availability of vacancies.

The University of Bonn actively supports diversity and equal opportunities. The University of Bonn has been certified as a family-friendly university and offers a dual career service. Its aim is to increase the proportion of women in those fields in which women are underrepresented and to place a special focus on promoting their careers. Therefore, the university specifically requests applications from suitably qualified women. Applications will be handled in accordance with the Equal Opportunities Act of North Rhine-Westphalia. Applications from suitably qualified people with severe disabilities that have already been verified or from people with an equivalent status will be particularly welcomed.

Applications including the usual documents (Letter, curriculum vitae, list of publications, selected publications, research plan, teaching concept, copies of degree certificates) need to be submitted until **20.06.2021**.

Please apply via our online portal: https://berufungsportal.uni-bonn.de

Further information about the position is also available from Prof. Dr. Stefan Wrobel (Scientific Director b-it and Institute Director Fraunhofer IAIS, wrobel@cs.uni-bonn.de).
W2 (Tenure Track) Applied Machine Learning at b-it

For the proposed evaluation criteria for the professorship per §7 paragraph (2) and Appendix A of the Regulations Governing Interim and Final Evaluations for Tenure Track Professorships at the University of Bonn dated November 28, 2018 (Tenure Track Regulations)

I. Research

Scientific/academic growth potential in an international comparison
As evidenced by:
• contribution to advancement of the research area, methodological and conceptual innovation
• research quality, originality, creativity and independence, as documented through publication in peer-reviewed journals and conference presentations (peer-review), or
• international visibility (as documented, e.g. impact factor/citations, activity as editor, reviewer, lecture invitations, awards)

Grant funding secured, partnerships and technological innovations
As evidenced by:
• successful participation in competitive funding calls and tenders (research funding and/or private-sector contracts), documented technical performance in application projects with private enterprise
• involvement in technology transfer projects, spinoffs and/or longer-term research and development partnerships in the private sector, and/or
• filing, approval and exploitation of patents and/or other industrial property protections; other licensable technologies

Support provided to early-career researchers
As evidenced by:
• effective functioning as advisor to doctoral students and postdocs,
or
• the distinction of advised graduates’ subsequent positions/careers

II. Teaching

Teaching performance
As evidenced by:
• the quality and breadth of teaching experience in various formats (lecture, seminar, internship, continuing education, etc.) and on various academic levels (BSc, MSc, PhD, executive education, etc.). Factors considered include international relevance, diversity, student evaluations. Alternative requirement:
• Advising on bachelor’s and master’s thesis papers/projects

Authoring of teaching materials
As evidenced by:
• development and introduction of new teaching content, teaching didactics concepts and teaching formats such as e-Learning, esp. continuing education-related, or
• attendance of didactical continuing education seminars and/or non-discipline-specific events

III. Academic committee work or offices

Active in academic self-administration
As evidenced by:
• involvement in university-internal commissions/committees and/or public relations

IV. Leadership responsibility

Staff leadership competency
As evidenced by:
• leading working groups, direct staff management responsibility, and/or
• completed continuing education within the framework of University of Bonn Staff Development, similar University of Bonn offerings (e.g. Leadership Coaching) or relevant external offerings