

Paderborn University is a high-performance and internationally oriented university. Within interdisciplinary teams, we undertake forward-looking research, design innovative teaching concepts and actively transfer knowledge into society. As an important research and cooperation partner, the university also shapes regional development strategies. We offer our employees in research, teaching, technology and administration a lively, family-friendly and equal opportunity environment, a lean management structure and diverse opportunities. **Join us to invent the future!**

In the **Faculty of Arts and Humanities** - Musikwissenschaftliches Seminar Detmold/Paderborn / KreativInstitut.OWL / **Modelling of Linked Virtual Data Spaces (in Music and Media) Group** - the following position is to be filled by Oktober 1st 2025.

Research Assistant (f/m/d)

(salary level according to 13 TV-L)

with 100 % of the regular working hours. This is a qualification position within the meaning of the Wissenschaftszeitvertragsgesetz (WissZeitVG), which either serves to support a PhD procedure or the scientific qualification in the post-doctoral phase. The position is limited for a period of 3 years until September 30th 2028.

Field of activity:

In the DFG project [Digitale Interpretationsedition: Prototypischer Forschungsprozess und Modelledition](#) (Dint, engl.: Conceptualizing a Digital Performance Edition), digital music edition, performance research and music informatics are working together on the model implementation of a music edition that for the first time includes not only the musical score but also its sound realization. Written notation and audio will be placed in a systematic and critical relationship to each other. The [MEI](#) and [MPM](#) data formats as well as the MPM Toolbox and Sonic Visualiser software serve as the technical basis. The scientific focus of the position lies in the field of **Music Informatics**, in particular the development of models for performance practices (Data & Knowledge Engineering), the development of manual, semi- and fully automatic music analysis methods (Music Information Retrieval) and interactive music and feature visualization (Visual Analytics).

- Conception and testing of suitable research methods,
- Development of mathematical models to describe performance features (e.g. for micro timing and ornamentation),
- Further development of the MPM format (XML, TEI ODD), the associated API and the MPM Toolbox software (both Java),
- Evaluation, documentation, scientific publication and co-organization of community workshops.

Recruitment requirements:

- Academic degree (Master's or Diploma) in computer science, mathematics or a related subject
- Relevant prior experience in the fields of music and Music Information Retrieval
- Very good knowledge of development with Java
- Good knowledge of XML processing and web development.

We offer:

- Flexible working hours and the individual option of mobile working
- Wide range of health, counseling and prevention services
- Attractive fringe benefits such as childcare facilities and sports activities
- Opportunities for internal and external training and development
- Additional benefits in accordance with the collective agreement of the federal states (TV-L), such as annual bonuses and capital-forming benefits as well as the VBL supplementary pension scheme

Applications from women are particularly welcome and, in case of equal qualifications and experiences, will receive preferential treatment according to state law (LGG), unless there are preponderant reasons to give preference to another applicant. Part-time employment is generally possible. Applications from disabled people with appropriate suitability are explicitly welcome. This also applies to people with equal opportunities in accordance with the German social law SGB IX.

Please send your application documents (preferably in a single pdf file) using the **Ref. No. 6987** until **July 21st 2025** to axel.berndt@uni-paderborn.de.

Information regarding the processing of your personal data can be located at:
<https://www.uni-paderborn.de/en/zv/personaldatenschutz>.

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HR EXCELLENCE IN RESEARCH

