

Faculty of Engineering | Martensstraße 5a, 91058 Erlangen

To  
all professors of the faculty  
- Mr. Prof. Dr. Kist, Juniorprofessur für Artificial Intelligence in  
Communication Disorders  
- Mr. Prof. Dr. Eskofier, LS Maschinelles Lernen und Datenanalytik  
- Mrs. Prof. Dr. Koelewijn, Juniorprofessur für Computational  
Movement Science  
- Mr. Prof. Dr. Uhlrich, The University of Utah, Mechanical Engineering  
- Mrs. PD Dr. Liphardt, Medizinische Fakultät  
- Mrs. Nitschke

**Office of Doctoral Affairs**

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Ihr Zeichen: uesjp

Erlangen, 24/01/2025

**Doctoral Examination of Mrs. Marlies Nitschke**

**Nomination of the Examination Council and Invitation to the Oral Examination**

Supervising Institute: Maschinelles Lernen und Datenanalytik

Dear Sir or Madam,

As a part of her doctoral examination, **Marlies Nitschke** will give a half-hour lecture on the topic:  
**"Turning a Corner in Optimal Control Simulations for Running – Predicting and Reconstructing 3D Full-Body Biomechanics from Optical and Inertial Motion Capture"**.

**Date and Time: 07 Februar 2025, 2:00 PM**  
**Venue: Machine Learning and Data Analysis Lab, MAD SR,**  
**Carl-Thiersch-Str. 2b, 91052 Erlangen**

The lecture will be followed by a 15 minutes discussion. Both the lecture and discussion are open to the public. A viva voce, closed to the public and lasting 45 minutes, will then take place.

The examination council consists of the following professors:

Prof. Dr. Kist	Chairperson
Prof. Dr. Eskofier	1. Reviewer
Prof. Dr. Koelewijn	2. Reviewer
Prof. Dr. Uhlrich ( <i>participation via video</i> )	3. Reviewer
PD Dr. Liphardt	Further Examiner

The examination will only take place if the entire examination council is present at the exam and if there are no objections during the two-week period of display.

Kind regards,

gez. Graichen

Professor Dr. -Ing. Knut Graichen  
Dean of Study