

Starting date: **at the earliest opportunity**

The general legal requirements in compliance with section 36 of the North Rhine-Westphalia Higher Education Act (Hochschulgesetz – HG) are as follows:

1. University degree
2. Proven track record of teaching ability, or as an exception, the teaching ability is to be proven during the first year through a probation period.
3. Particular proficiency in scientific work, usually demonstrated by the quality of the doctorate.
4. A strong track record in the application or development of academic findings and methods, gained during a minimum of five years of professional employment in a relevant field – at least three years of these five years must have been outside of a university environment. If the applicant does not have such a strong track record as mentioned above, then it is necessary to have a German “Habilitation” or additional academic qualifications equivalent to a “Habilitation” (the postdoctoral qualification in Germany, which entitles the person to research at an expert level and teach his or her academic subject(s) at university). To prove that the applicant has such an equivalent qualification, a professor’s assessment, which shows the applicant’s competence, is to be enclosed with the application. You can also submit the report within 14 days of the application deadline at the latest. Such a professor must be from a university, or from a university of applied sciences (Fachhochschule) and in the latter case the professor must have a “Habilitation”. The applicant may also provide evidence of a positively evaluated junior professorship.

Questions on the recruitment process to:

Christiane Schnuer

T: + 49 221-8275-3508

E: christiane.schnuer@th-koeln.de

Gustav-Heinemann-Ufer 54

50968 Köln

Position-related questions to:

Prof. Dr. Harald Elders-Boll

T: +49 221-8275-2448

E: harald.elders-boll@th-koeln.de

Professional, didactic and methodical profile:

You have completed a university degree and have proven your qualification for scientific work, as demonstrated by a doctoral degree (preferably with a thematic reference to the advertised professorship). You have proven proficiency in the application or development of scientific findings and methods, which ideally was acquired during a minimum of five years of relevant professional employment. It is highly desirable that at least three years have been outside of a university environment. Please note the exceptions under point 4 (above) of the report.

Professional Competencies

The technical requirements for filling the position include broad practical and theoretical skills from the field of embedded real-time systems:

- Several years of working experience in development and application of embedded real-time systems
- Demonstrated experience in one of the following areas:
 - Real-time systems
 - Operating systems and distributed systems
 - Computer architectures

Research competencies

You have a keen interest in research, which can be demonstrated e.g. by scientifically recognized publications in the above-described fields or by your own R&D achievements in the product development of a technology company. Ideally, you already have experience in raising research funds or in setting up industrial R&D projects.

International competences

If you are not proficient in German at a native-speaker level, your German language skills will need to be at the CEFR B1 level at the time of the interview and CEFR B2 by the time you start work. In addition, at the end of the probationary period, your German language skills will be at the GER C1 level. Regardless of your German ability, you are proficient in written and spoken English and are able and willing to teach courses in English. Experience in collaboration in the industrial or scientific sector on an international level is an advantage.

Didactic competences/communication skills

You have the willingness to deal with didactic and motivational-psychological mechanisms in the interaction of students and teachers and open up the concepts of project-oriented teaching and research-based learning. The use of IT-based methods and the instruction of students in practical work with hardware, that create specific application references, are part of the competence transfer in your courses. Also in teaching, you appreciate and seek cooperation with colleagues.

Management competencies

You formulate your own forward-looking perspective on the development of the subject area. You define goals and you can distinguish between what is desirable and what is feasible. You initiate and structure projects in research, teaching and transfer, and lead your project teams in a collegial and motivating manner.

Social skills

You have the ability to work in a team and cooperate in diverse team compositions with people from the faculty, the TH and with external partners. You are characterized by collegiality, the ability to deal with conflict, integrity, and the ability to be self-critical.

Further competencies

We expect a strong interest in collaborating with colleagues from the same and from systemically complementary fields of profession. With joy, you contribute with your electronics and sensor technology skills to areas of electrical engineering and computer science, media technology, and mechanical engineering, and you shape cross-disciplinary collaborations in research and teaching.

The execution of other activities not part of the professorship is subject to the regulations governing part-time employment.

With the advertisement of this position and the publication of the requirement profile, the TH Köln specifies which competencies must exist to successfully fulfill the tasks of the professorship at the TH Köln. Depending on the focus of the professorship these competencies are weighted and checked in the selection procedure. The pre-selection is based on the written application documents. The necessary competencies of the shortlisted candidates will be determined in a lecture, a scientific presentation and a structured interview. The personal introduction is completed by an interview with a personnel psychologist. In case you are shortlisted and invited to a personal interview, you will be asked to submit a written teaching and research concept in advance. You will receive more detailed information with the invitation to the lecture, the scientific presentation and the structured interview.

Additional information

Place of residence

You are expected to move/relocate to the city in which your campus is located/situated or its greater area. Remuneration

Professors are remunerated in accordance with the W2 remuneration scheme (www.lbv.nrw.de: the remuneration scale for North Rhine-Westphalia as well as information on the family supplement are available on the website of the North Rhine-Westphalia State Office for Salaries and Pensions – LBV NRW – at). In addition to the family supplement, the remuneration provisions make allowance for other benefits

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(performance-related benefits), in particular benefits related to the appointment as well as benefits granted on the grounds of extraordinary contributions or for securing third-party funding for research purposes. The Provisions on Performance-related Benefits at Universities in North Rhine-Westphalia are in accordance with the law (Hochschul-Leistungsbezügeverordnung – HLeistBVO) of December 17, 2004. Additionally, Cologne University of Applied Sciences has introduced individual regulations in its guidelines on W2-remuneration. Detailed information on the W2-remuneration bracket is available here: th-koeln.de/besoldung

Employment as a civil servant or as a non-civil servant

Professors may only be employed as tenured German civil servants if they hold a full-time position and comply with all legal provisions (e. g. being younger than 50 years old). The possibility of becoming a tenured German civil servant is always determined on an individual basis, and candidates should therefore contact the Head of Division for lecturers and assistants in the human resources department (Ms. Sigrun Weber / Phone: +49 221-8275-3120 / Email: sigrun.weber@th-koeln.de). When employed under non-civil-servant conditions, professors will be remunerated in accordance with W2 gross remuneration. In contrast to tenured civil servant contracts, professors employed under such provisions are required to pay social security contributions.

Additional employment

Full-time professorship: additional employment of up to eight hours per week may be authorized in compliance with the legal regulations for North Rhine-Westphalia (thus permitting work in positions of practical relevance). If you work on a freelance basis with your own office, then this is subject to specific conditions as laid down in the legal stipulations on additional employment for university personnel.

Part-time professorship (less than 50 %): If your work as a professor is less than 50 % then the legal stipulations on additional employment are not applicable.

Application information

Please apply via our application management system. Go back to the [job advertisement](#) and click here:



Apply here

Here we ask you for the personal data relevant for the processing of the application and to upload the following documents (maximum fill size 10 MB per file):

- cover letter
- photo (optional)
- curriculum vitae including list of publication and overview of the courses held (here or at the other documents)
- certificates (max. 5 files)
 - University certificates
 - job references or activity reports
 - certified translations in German or English for foreign certificates
- other documents
 - such as a list of publications
 - such as an overview of the courses held (evaluation)
 - **if necessary: professor's assessment (see page 1: The general legal requirements)**
In the application form you can select the option to submit the required professor's assessment within two weeks after the end of the application period.

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