The Institut für Kommunikationstechnik (IKT) is offering a position as

**Research Assistant (m/f/d)**
**(Salary Scale 13 TV-L, 100 %)**

starting at November 1st, 2019. The position is initially limited to three years and includes the opportunity of graduating with a doctoral degree. The research to be conducted is part of the project „Richard Wagner 3.0: Bayreuth für alle‘ - Immersive Klangumgebungen und ihr Potenzial für das Musik-Erleben und die kulturelle Teilhabe“ which is funded by the Ministry for Science and Culture of Lower Saxony.

**Scope of work**
- Development, configuration, control and measurement based verification of different multichannel loudspeaker setups in the Immersive Media Lab of the Institut für Kommunikationstechnik at the Leibniz University Hannover
- Research on upmix strategies and improvement of the algorithms involved with respect to the use case
- Listening experiments and their evaluation as well as room acoustical measurements and metadata generation

**Qualifications**
You are very motivated, self-initiated and have successfully completed your studies with a master university degree in the fields of Electrical Engineering, Computer Science, Mathematics or Physics. You are expected to have profound knowledge in signal processing for audio and acoustics as well as to have experience in developing software components in MATLAB or C/C++. Good communication skills in German and English language, both oral and written, are furthermore desired.

In addition, we expect you to have
- profound knowledge in audio reproduction techniques and current trends in immersive sound scene generation,
- advanced skills in virtual acoustics, room acoustics and signal processing,
- interest in Virtual/Mixed Reality.

We offer a supportive environment with an interdisciplinary, internationally visible research group that has already done extensive scientific work in the field. We enable you to take over responsibility for our particular part of the “Richard Wagner 3.0” project, to participate in international conferences, to do academic teaching and to improve your scientific and personal skills while getting excellent support from us.

Part-time employment is possible.

As an equal opportunities employer, Leibniz University Hannover intends to promote women and men. For this reason, suitably qualified women are specifically invited to apply. Preference will be given to equally qualified applicants with disabilities.
For further information, please contact Dr.-Ing. Stephan Preihs (Phone: +49 511 762-2819, E-Mail: preihs@ikt.uni-hannover.de) or Prof. Dr. Jürgen Peissig (Phone: +49 511 762-4239, E-Mail: peissig@ikt.uni-hannover.de).

Please send your application as soon as possible but no later than September 15th, 2019 electronically to the addresses mentioned above or by mail to:

Gottfried Wilhelm Leibniz Universität Hannover
Institut für Kommunikationstechnik
Appelstraße 9A
30167 Hannover
http://www.uni-hannover.de/jobs

Information on the collection of personal data according to article 13 GDPR can be found at https://www.uni-hannover.de/en/datenschutzhinweis-bewerbungen/.