

Hochschule für Musik Detmold is seeking an

### **Early-Stage Researcher (ESR) in the field of Musical Acoustics**

for the duration of 36 months at the next possible opportunity. The position is focusing on “Investigation of musical performance practice using real and virtual rooms and sound sources” within the project BATWOMAN (Basic Acoustics Training – & Workprogram On Methodologies for Acoustics – Network) which is an Initial Training Network (ITN) No. 605867, funded under the FP7 Marie Curie programme of the EC.

#### **Job description**

##### Objectives:

- Better understanding of the feedback loop Musician – Room – Musician on stage and in rehearsal rooms
- Basis for improved room acoustic conditions for rehearsal and concerts
- Contribution of knowledge for acousticians, musicians and man

##### Tasks and methodology:

- Review latest objective and subjective assessment methods in room acoustics
- Performing measurements in different acoustic environments
- Conventional and auditory related evaluation of measurements on stage and in auditorium
- Performance and sound field evaluation with recorded/synthesized sound fields

#### **Required skill set**

All candidates must be fluent in spoken and written English. The research is highly multidisciplinary. An ideal candidate has a master degree in engineering or in an equivalent field (e.g. acoustics, sound engineer/Tonmeister, communication science, electronics, or physics) and an adequate musical background.

- Specific experience with room acoustic measurements and/or simulation methodologies and software tools is an advantage.
- Knowledge in acoustics of rooms and musical instruments is highly welcome.
- Knowledge of Matlab is an advantage.
- All members of the network are equal opportunity employers, both female and male candidates are invited to apply.

The research activities will mainly be carried out at Partner HfM Detmold located in Detmold, Germany, possibly combined with research visits and/or short-term secondments to other members of the network.

The remuneration will be in line with the national legislation and EC rules for Marie Curie grant holders and consists of a salary augmented by a net mobility allowance.  
<http://cordis.europa.eu/fp7>

## **MARIE CURIE ELIGIBILITY CRITERIA**

Among others, the following criteria apply for eligibility of Early-Stage Researchers:

- An ESR has less than 4 years of experience and has not yet been awarded a doctoral degree.
- At the time of appointment, the ESR may not have resided or carried out her/his main activity in the country of the hosting partner for more than 12 months in the 3 years immediately prior to her/his appointment.

Please find detailed information on

- job description at [www.hfm-detmold.de/stellen](http://www.hfm-detmold.de/stellen) and
- project BATWOMAN at [www.batwoman.eu](http://www.batwoman.eu)
- Guide for Applicants-ITN at [http://ec.europa.eu/research/mariecurieactions/media-library/documentation/legal-docs/index\\_en.htm](http://ec.europa.eu/research/mariecurieactions/media-library/documentation/legal-docs/index_en.htm)

or contact Prof. Dr. Malte Kob ([kob@hfm-detmold.de](mailto:kob@hfm-detmold.de)).

To apply, please send a detailed CV together with a letter of motivation and names of reference(s) by **28.03.2014** to

**Rektor der Hochschule für Musik Detmold  
Neustadt 22, 32756 Detmold**

**Email: [schmunk@hfm-detmold.de](mailto:schmunk@hfm-detmold.de)**

Subject: „Bewerbung BATWOMAN – Early-Stage Researcher – vertraulich“

Please note that your application (cv, letter of motivation) might be shared within the consortium of BATWOMAN to offer the best options for secondments within Europe.