

## Kunngjøring AMBIENT - postdok.

Finansiering: NFR gjennom prosjektet AMBIENT - Bodily Entrainment to Audiovisual Rhythms

Institutt tilknytning: IMV

*Standardtekst –fakta om UiO*

*Standardintro –fakta om RITMO*

### **1-2 Post-Doctoral Research Fellowships in Audiovisual Rhythms**

1-2 Post-Doctoral Research Fellowships (SKO 1352) in Audiovisual Rhythms is available in connection with the research project AMBIENT - Bodily Entrainment to Audiovisual Rhythms, funded by the Research Council of Norway. The project is affiliated with [RITMO Centre for Interdisciplinary Studies in Rhythm, Time and Motion](#) at the University of Oslo.

RITMO is a Centre of Excellence funded by the Research Council of Norway. This interdisciplinary centre focuses on rhythm as a structuring mechanism for the temporal dimensions of human life. Methods from musicology, psychology, neuroscience, and informatics are combined to study rhythm as a fundamental property that shapes and underpins human cognition, behaviour and cultural expressions.

All RITMO researchers are co-located and work in a unique interdisciplinary constellation, with world-leading competence in musicology, psychology and informatics. It is expected that all members of the centre contribute to the general activities and collaborations within RITMO. The researchers have access to state-of-the-art facilities in sound/video recording, motion capture, eye tracking, physiological measurements, various types of brain imaging (EEG, fMRI), and rapid prototyping and robotics laboratories.

### **Job description**

The AMBIENT project aims to investigate how environmental rhythms influence people's bodily behaviour. More specifically, we are interested in auditory, visual, and audiovisual rhythms found in indoor environments. This can be the sound of a ticking clock, the blinks of a detector, or the sound and vision of people walking by on the street outside an office window. The hypothesis is that such audiovisual rhythms influence people, consciously and unconsciously. The aim of the project is to develop theoretical models of audiovisual rhythms, conduct observation studies in real-world settings, develop novel analysis methods for studying the collected large-scale multimodal datasets, and explore interactive systems for (re)creating audiovisual rhythms in networked environments.

The project will be multidisciplinary in nature. The recruited team of researchers will together cover relevant theories and methods from the arts and humanities, psychology and behavioural sciences, and computer/data science.

The appointment is for a period of three years, starting 1 September 2022. There is a 10 % component of the position which is devoted to teaching and administrative duties. There might be a possibility to extend to four years depending on the qualifications of the recruited candidate, the departments' needs for teaching, and the centre's need for assistance.

The successful candidate is expected to be part of the research environment of RITMO and contribute to strengthening the links between different research areas within the centre. The main purpose of postdoctoral research fellowships is to qualify researchers for work in higher academic positions within their disciplines.

### **Qualifications/requirements**

- A PhD degree or equivalent in musicology, music technology, sound studies, psychology, sound and music computing, computer science, human movement science, or other relevant field. The applicant is required to document that the degree corresponds to the profile for the post. The doctoral dissertation must have been submitted for evaluation before the application deadline.
- Experience with one or more of the following methods: sound analysis, video analysis, interviews, questionnaires, motion capture, physiological sensing, statistics, signal processing, machine learning, interactive (sound/music) systems
- Excellent skills in written and oral English
- The candidate's proposed research project must be closely connected to RITMO's research profile
- Personal suitability and motivation for the position

The doctoral dissertation must be submitted for evaluation by the application deadline. Appointment is dependent on the public defence of the doctoral thesis being approved.

No one can be appointed for more than one postdoctoral period at the University of Oslo.

In the evaluation of the applications, emphasis will be placed on

- The applicant's academic qualifications
- The quality of the [research outline](#) and its relevance to the AMBIENT project and the research objectives of RITMO
- The applicant's estimated academic and personal ability to carry out the project within the allotted time frame and contribute to the research objectives of RITMO
- Collaboration skills and the ability to successfully join in academic teamwork within and across disciplines.

We offer

- Salary NOK XXX – XXX per annum depending on qualifications (lønnstrinn 59-67 LO/YS/UNIO)
- a professionally stimulating working environment
- membership in the [Norwegian Public Service Pension Fund](#)
- attractive [welfare benefits](#)

Applications must include:

- Application letter describing the applicant's qualifications and motivation for the position
- Curriculum Vitae (complete list of education, positions, teaching experience, administrative experience and other qualifying activities, including a complete list of publications with links to the full version of published papers)
- Research outline, including relevant research questions and theoretical and methodological approaches (approximately 2-3 pages, see the [template for research outline](#))
- Names and contact details of 2-3 references (name, relation to candidate, e-mail and telephone number)

Diplomas, certificates, doctoral thesis and other academic works will be requested later.

Please note that all documents must be in English or a Scandinavian Language.

The application with attachments must be delivered in our electronic recruiting system, jobbnorge.no.

The short-listed candidates will be invited to an interview.

### **Formal regulations**

See also [Regulations concerning Post-Doctoral Research Fellowships](#).

Following the Freedom of Information Act (Offentleglova) § 25, Chapter 2, information about the applicant may be used in the public list of applicants even if the applicant opts out from the entry in the public application list.

The University of Oslo has an [Acquisition of Rights Agreement](#) for the purpose of securing rights to intellectual property created by its employees, including research results.

The University of Oslo aims to achieve a balanced gender composition in the workforce and to recruit people with ethnic minority backgrounds.