

# **NORDICSMC**

## **CALL FOR SHORT-TERM SCIENTIFIC MISSIONS (STSMS)**

[Call 3 - 2020: Priority is given PhD candidates working at one of NordicSMC partners](#)

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### **BACKGROUND**

The Nordic Sound and Music Computing University Hub (NordicSMC) brings together a group of internationally leading sound and music computing researchers from all five Nordic countries, from Aalborg University (AAU), Aalto University (AALTO), KTH Royal Institute of Technology (KTH), University of Iceland (UoI), and University of Oslo (UiO) with the aim of consolidating and strengthening the international research profile of the partners in the field of sound and music research.

This entails research and infrastructure collaboration with the different institutions within the Nordic partners. The constellation is unique in that the network covers the field of sound and music from the soft to the hard, including the arts and humanities, the social and natural sciences as well as engineering, and with a high level of technological competency.

NordicSMC promotes Short-Term Scientific Missions (STSMSs).

### **OBJECTIVES OF THE STSMS**

Short-Term Scientific Missions (STSMs) are aimed at strengthening the existing networks within the NordicSMC HUB partner institutions by allowing scientists to go to another institution to foster research collaboration, to learn a new technique or to take measurements using instruments and/or methods not available in their own institution/laboratory. They are particularly (yet not exclusively) intended for PhD students within the network.

## **TOPICS**

Emphasis is on activities that will contribute to the research on one of the topics of promoted by the five NordicSMC partner institutions.

The applicants should, at the moment of the submission, specify to which of the NordicSMC partner institutions their proposed mission belongs to. They should furthermore show clearly in their applications how the planned activities and the selection of Hosting Institution will contribute to this aim.

### **AAU Aalborg University**

AAU promotes STSMs focusing on basic and applied research in sonic interaction design, with particular focus on sonic interactions in virtual and augmented environments. Topics include but are not limited to the development of new theories, guidelines, models, and tools for testing in virtual and augmented environments; design of virtual instruments; entrainment in rhythmic interaction; analysis of movement quality and expression; and more.

### **AALTO Aalto University**

AALTO has two research teams involved in the NordicSMC network, both part of the Aalto Acoustics Lab: the Audio Signal Processing team (Prof. Vesa Välimäki)

and the Communication Acoustics team (Prof. Ville Pulkki). Suitable topics for an STSM may be related to virtual analog modeling, artificial reverberation, psychoacoustics, sound synthesis, or spatial audio reproduction, coding, and synthesis, for example.

## KTH Royal Institute of Technology

KTH promotes STSMs focusing both on basic research questions addressed in perceptual, cognitive, and emotional studies of sonic interactions, and on applied research focussing on the design and use of sonifications in interaction. Topics include but are not limited to the development of new theories, guidelines, models, and tools for the sonic representation of body motion qualities in interactive applications, such as robust non-verbal expression in virtual agents and humanoid robots, or in folk music dance and music.

## UoI University of Iceland

UoI promotes STSMs focusing on research in tactile and auditory displays as well as binaural sound technology.

## UiO University of Oslo

At UiO the visiting researchers will be connected to [RITMO](#) Centre for Interdisciplinary Studies in Rhythm, Time and Motion. This centre houses around 40 researchers from musicology, psychology and informatics. Visiting researchers will have access to the [RITMO](#) facilities, including the [fourMs lab](#). Topics could include rhythm analysis, motion capture analysis, music information retrieval, and interactive music systems.

## **THE APPLICANT**

The selection of the applicant is the responsibility of the Management Committee (MC) of the Action. Priority is given to applicants who are engaged in a programme of research as a postgraduate student or postdoctoral fellow or are employed in an institution of a NordicSMC Hub member. The Host must be an institution partner member of NordicSMC Hub.

## **DURATION**

Short-Term Scientific Missions, minimum one week (5 working days), maximum 1 month, shall be made within the time frame of the operation identified in the proposal and within the period of the NordicSMC Hub.

## **FINANCE**

The financial support is a contribution to the costs of a STSM and may not necessarily cover all the costs in each case. The grant should normally cover only travel and subsistence. The financial contribution for a STSM will be a fixed grant based on the Applicant's budget request and the evaluation of the application by the STSM assessment committee. An amount of 60 to 90 eur for the daily allowance in particular for longer stays and 200 to 300 eur for the travel is recommended. The total of a STSM shall not exceed 3000 eur. Any exception needs special justification. If approved, the grant will be paid to the home institution after completion of the STSM.

## **APPLICATION**

The applicant should apply online at the following link

<https://tinyurl.com/NordicSMC-STSM>

Application must include a detailed Work Plan (including publication plan, ethical approval, if needed, name of local supervisor, open science perspectives) and full Curriculum Vitae, including publications.

## **DEADLINE**

Applications for this call should be sent before March 31st 2020. Notifications of decisions will be sent by April 15th 2020. For this call, STSMs should take place before December 31st 2020.

## **AFTER THE STSM**

After completion of the STSM the grantee is required to submit to the Host and NordicSMC chair a short scientific report on the visit within 4 weeks after his/her stay. The grantee is also required to produce a **poster and/or short video (about 2-3 minutes)** and to submit a **picture, abstract and any other information** as requested that illustrate the outcome of the STSM.

## **EVERYTHING HAS TO BE UPLOADED AT A LINK COMMUNICATED BY THE HOST INSTITUTION.**

Reports, posters, video, abstracts and other material may be published in the NordicSMC website and displayed at meetings organized by NordicSMC.

[Templates for posters and slides are provided here.](#)

**It is highly advisable that the grantee, during the STSM, keeps an online progress report** (website, diary, blog, etc.).





