



Call for application

Professor in Computer Science - Research coordinator

Réf : position n°22 – Professor in Computer Science (part-time: 5/12°)

Job description

Research plays an important role in the pedagogical project led for several years by the Institut supérieur de Musique et Pédagogie (IMEP, Namur, Belgium). Several research projects of various natures have also been implemented at IMEP in the artistic, pedagogical and musicological domains over the last years: these include the creation of contemporary art works, the development of innovative software tools for musical learning or the promotion of traditional music heritage from Wallonia.

In that context, the Institut supérieur de Musique et Pédagogie is seeking a part-time Research Coordinator to manage all of these projects, while being more specifically involved in some of them. The researcher will especially participate in projects dealing with musical pedagogy, which aim at exploring different kinds of innovative pedagogical approaches applied to musical teaching and related to the development of digital technologies.

In that framework, one of the main missions of the researcher will consist in continuing the technical development of *Solfegiciel*, an innovative pedagogical software dedicated to the practice of musical sight-reading developed for several years at IMEP. This research will be carried out in close cooperation with the teaching staff of the Institute, especially teachers in music education and pedagogy, and will be part of the music pedagogy lab which will be set up in September 2019 at IMEP.

In addition to these technical tasks, the researcher will be in charge of coordinating the whole research activities carried out at the Institute. These will mainly focus on the following topics:

1. Music and society: behavior, social life, conflict management, inter-relationship
2. Music and brain: cognitive development, music and dyspraxia, multiple intelligences
3. Music and transversal skills
4. Music and self-awareness: emotional development, self-worth, physical and mental development
5. Development of tools for teachers

The research coordinator will also be in charge of promoting the results of research projects and enhancing their visibility in the artistic and teaching communities, by writing papers and participating in specialized symposiums. Finally, he/she will encourage and strengthen research collaborations with partners in Belgium and abroad on projects dealing with aforementioned topics.

Desired experience and skills:

- PhD degree and experience in research in University and/or in Arts school in Belgium and abroad
- Skills in real-time multimedia programming environments and languages
- Good knowledge of digital audio and music notation softwares
- Good knowledge of the European Framework DigCompEdu (Digital Competence of Educators)
- Interest in pedagogy and art research, especially in the musical domain
- Ability of working methodically, open-mindedness, sense of team working