European Training Network on Music Information Retrieval

Télécom ParisTech is participating in a new Marie Skłodowska-Curie Innovative Training Network dedicated to Music Information Retrieval that will start in April 2018. As part of the project,**15 PhD students will be supported** and trained within the different partner universities and companies. **Telecom ParisTech will host 5 of the PhD students.** The name of the network is New Frontiers in Music Information Processing (MIP-Frontiers).

The 5 fully funded Phd topics at Télécom ParisTech are :

- *Behavioural music data analytics,(collaboration with Deezer)*
- *Voice models for lead vocal extraction and lyrics alignment (with Audionamix)*
- *Multimodal movie music track remastering (avec Technicolor)*
- *Context-driven music transformation (avec Technicolor)*
- *Defining, extracting and recreating studio production style from audio recordings (With University of Queen Mary-London, Sony CSL)*

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More information on the European Training Network MIP-Frontiers below:

Abstract: Music Information Processing (also known as Music Information Research; MIR) involves the use of information processing methodologies to understand and model music, and to develop products and services for creation, distribution and interaction with music and music-related information. MIR has reached a state of maturity where there are standard methods for most music information processing tasks, but as these have been developed and tested on small datasets, the methods tend to be neither robust to different musical styles or use contexts nor scalable to industrial scale datasets. To address this need, and to train a new generation of researchers who are aware of, and can tackle, these challenges, we bring together leading MIR groups and a wide range of industrial and cultural stakeholders to create a multidisciplinary, transnational and cross-sectoral European Training Network for MIR researchers, in order to contribute to Europe's leading role in this field of scientific innovation, and accelerate the impact of innovation on European products and industry. The researchers will develop breadth in the fields that make up MIR and in transferable skills, whilst gaining deep knowledge and skills in their own area of speciality. They will learn to perform collaborative research, and to think entrepreneurially and exploit their research in new ways that benefit European industry and society. The proposed work is structured along three research frontiers identified as requiring intensive attention and integration (data-driven, knowledge-driven, and user-driven approaches), and will be guided by and grounded in real application needs by a unique set of industrial and cultural stakeholders in the consortium, which range from consumer electronics companies and big players in media entertainment to innovative SMEs, cultural institutions, and even a famous opera house, thus encompassing a very wide spectrum of the digital music world.

Consortium

- Centre for Digital Music, Queen Mary University of London (QMUL), UK
- Music Technology Group, Pompeu Fabra University (UPF), Barcelona, Spain
- Image, Data, Signal Department, Telecom Paristech (TPT), Paris, France
- Department of Computational Perception, Johannes Kepler University of Linz (JKU), Austria
- Sony Computer Science Laboratory (SONY), Paris, France
- DoReMIR Music Research (DRM), Stockholm, Sweden
- Roli Ltd (ROLI), London, UK

More info: http://mip-frontiers.eecs.qmul.ac.uk/