Partners

- Universitat Pompeu Fabra - Music Technology Group, Barcelona, Spain (admin/financial coordinator)
- Stromatolite Design Lab, London, UK (scientific coordinator)
- OFAI, Austrian Research Institute for Artificial Intelligence, Vienna, Austria
- INESC, Instituto de Engenharia de Sistemas e Computadores, Porto, Portugal
- IRCAM, Institut de Recherche et Coordination Acoustique/Musique, Paris, France
- Centre for Digital Music, Queen Mary, University of London, UK
- B MAT, Barcelona Music and Audio Technology, Barcelona, Spain
The field of Music Information Retrieval (MIR) has centered primarily on the analysis of sound signal for the purpose of more efficient search and faster access to digital collections of recorded music. By expanding its context and addressing challenges such as multimodal information, multiculturalism and multidisciplinarity, MIR has the potential for a major impact on the future economy, the arts and education, not merely through applications of technical components, but also by evolving to address questions of fundamental human understanding, with a view to building a digital economy founded on "uncopiable intangibles": personalisation, interpretation, embodiment, findability and community. Within this wider context we propose to refer to the field of MIR as Music Information ReSearch (MIReS) and thus widen its scope, ensuring its focus is centered on quality of experience with greater relevance to human networks and communities.
WP structure and interdependencies
Three MIReS perspectives

› technical-scientific

research aimed at processing music-related digital data with the goal to develop music applications

› socio-cultural

research aimed at providing music data and technology to enhance social interactions, cultural exchange and behavioural patterns

› exploitation

research aimed at providing music technology that permits music industry stakeholders, artists and listeners to easily and intuitively discover, organise, transform, interact with, and enjoy music in novel ways
Technical-scientific perspective

- musically relevant data
- music representations
- data processing methodologies
- knowledge-driven methodologies
- music content analysis
- interface and interaction aspects
- evaluation of research results
Technical-scientific MIReS events: core community

- Porto October 8-12, ISMIR, MIRRORS session

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**Thursday October 11, 2012**

9:30 AM - 10:50 AM  Oral Session 7: MIRrors Session (check also open call for papers in JIIS special issue)

**Automatic Music Transcription: Breaking the Glass Ceiling**
Emmanouil Benetos, Simon Dixon, Dimitrios Giannoulis, Holger Kirchhoff, Anssi Klapuri
Queen Mary University of London

**Putting the User in the Center of Music Information Retrieval**
Markus Schedi and Arthur Flexer
1Johannes Kepler University, 2Austrian Research Institute for Artificial Intelligence

**The Impact (or Non-Impact) of User Studies in Music Information Retrieval**
Jin Ha Lee and Sally Jo Cunningham
1Information School, University of Washington, 2Department of Computer Science, University of Waikato

**Mel Cepstrum & Ann Ova: The Difficult Dialog Between MIR and Music Cognition**
Jean-Julien Aucourtier and Emmanuel Bigand
LEAD Lab, University of Burgundy, Dijon

**Moving Beyond Feature Design: Deep Architectures and Automatic Feature Learning in Music Informatics**
Eric J. Humphrey, Juan P. Bello, Yann LeCun
NYU

**Reuse, Remix, Repeat: the Workflows of MIR**
Kevin Page, Ben Fields, David De Roure, Tim Crawford, J. Stephen Downie
1University of Oxford, 2Musicmetric (Sematic Ltd), 3Goldsmiths University of London, 4University of Illinois
Technical-scientific MIReS events: core community

Socio-cultural perspective

- social aspects
- culture specificity
- user behaviour
Socio-cultural MIReS events: multiculturalism

- Delhi, KIIT, 20-22 January 2012: MIReS CompMusic and Multiculturalism workshop, International Symposium Frontiers of Research on Speech and Music (http://compmusic.upf.edu/)

- Istanbul, 18-23 June 2012: General CompMusic workshop with invited researchers and musicologists organised by MIReS (http://compmusic.upf.edu/)
Socio-cultural MIReS events: ethnomusicology

- Seville 20th April MIReS multicultural panel as part of the FMA workshop (http://congreso.us.es/infla3/en/)
Socio-cultural MIReS events: music psychology

- London CMMR "Music and Emotions" 19-23 Jun, panel discussion organised by MIReS (http://www.cmmr2012.eecs.qmul.ac.uk/)
Exploitation perspective

- music industry applications
- artistic applications
- research and educational applications
- creative industries applications
Exploitation MIReS events: performance

- Paris, MIR and Creation workshop, IRCAM, 2 June, organised by MIReS (http://www.dailymotion.com/playlist/x24vot_lrcam-CGP Mir-and-creation/)
Exploitation MIReS events:

- Barcelona, Sonar, Music Hack Day, organised by UPF-MTG and MIReS, 14-16 Jun (www.sonar.es)
Exploitation MIReS events: MIR and industry

- Barcelona, Sonar, Make, Play, Share: the future of music tech, organised by MIReS, 14 June 2012 (http://www.youtube.com/watch?v=a-lvdzSbeI)
Exploitation MIReS events:

Exploitation MIReS events: NoE research-to-industry

- London, Music Tech Fest: Music Discovery and Creativity Workshops, Music Hack Camp and Trend-Spotting Industry Event, 17-19 May, co-organised by MIReS (http://www.musictechfest.org/, @MusicTechFest)
Exploitation MIReS events: academic researchers

- London, Music Tech Fest: Music Discovery and Creativity Workshops, Music Hack Camp and Trend-Spotting Industry Event, 17-19 May, co-organised by MIReS (http://www.musictechfest.org/, @MusicTechFest)
Exploitation MIReS events: industry innovators

- London, Music Tech Fest: Music Discovery and Creativity Workshops, Music Hack Camp and Trend-Spotting Industry Event, 17-19 May, co-organised by MIReS (http://www.musictechfest.org/, @MusicTechFest)
Exploitation MIReS events: hackers

- London, Music Tech Fest: Music Discovery and Creativity Workshops, Music Hack Camp and Trend-Spotting Industry Event, 17-19 May, co-organised by MIReS (http://www.musictechfest.org/, @MusicTechFest)
Exploitation MIReS events: artists

- London, Music Tech Fest: Music Discovery and Creativity Workshops, Music Hack Camp and Trend-Spotting Industry Event, 17-19 May, co-organised by MIReS (http://www.musictechfest.org/, @MusicTechFest)
Exploitation MIReS events: NoE research-to-industry

- London, Music Tech Fest: Music Discovery and Creativity Workshops, Music Hack Camp and Trend-Spotting Industry Event, 17-19 May, co-organised by MIReS (http://www.musictechfest.org/, @MusicTechFest)

The Music Tech Fest gathered:
- 52 contributors
- 77 workshop participants
- 75 hackers
- 1,036 attendees
- over 10,000 users visited the website during May only
- the live streaming broadcast was seen by over 700 viewers from 40 countries
- the festival generated 830 minutes of video footage on each of the 3 cameras
- growing TED-style web community (http://www.youtube.com/musictechfest/)
Exploitation MIReS events:

- Istanbul, October, MIReS at the NEM Summit ([http://nem-summit.eu/](http://nem-summit.eu/))

- Music Tech Fest Synaesthesia app [http://www.youtube.com/watch?v=GcOqtsuhxw](http://www.youtube.com/watch?v=GcOqtsuhxw)
MIReS roadmap challenges

- http://mires.eecs.qmul.ac.uk/wiki/index.php/MIR_Challenges

- http://www.mires.cc/
- @MIReS_roadmap
Community involvement

MIReS - Roadmap for Music Information ReSearch

3D II MEDIA
- 20-203D
- BEAMING
- MUSCADE
- 3D VIVANT
- 3DPresence
- 3D4YOU
- MOBILE3DTV
- 3DPHONE
- CNG
- DIOMEDES
- FINE
- SKYMEDIA

USER-CENTRIC MEDIA
- (INCL. SOCIAL MEDIA)
- PLAYMANCER
- My eDirector 2012
- MyMedia
- SAME
- TA2

MEDIA SEARCH
- VIRTUALLIFE
- PETAMEDIA (NoE)

3D LIFE
- FASCINATE
- iNEM4You
- INTERMEDIA-NoE

ALICANTE
- OPTIBAND
- SARACEN

ENVISION

OCEAN

BEACON
- ADAMANTIUM
- NAPA-WINE
- OPTIMIX

MIReS

FUTURE MEDIA NETWORKS

CHORUS+
- GLOCAL
- I-SEARCH

COAST
- COMET
- P2P-NEXT

CHORUS+
- NEXTMEDIA
- FutureNEM
- SALA 3D
- OMWEB

MIReS.cc
Thank you