



Call for contributions

11th International Symposium on Computer Music Multidisciplinary Research 2015
"Music, Mind & Embodiment"
June 16th – 19th 2015
ICCMR – Interdisciplinary Centre for Computer Music Research, Plymouth UK

Conference website: <http://cmr.soc.plymouth.ac.uk/cmmr2015>

We are happy to announce that the CMMR 2015 – "Music, Mind & Embodiment" will take place in Plymouth, UK, ICCMR, June 16th – 19th 2015.

Plymouth is a vibrant ocean city with a global history that stretches back for hundreds of years. The conference will include a series of concerts, a satellite workshop on Music Neurotechnology, and an unforgettable boat cruise and banquet trip around the iconic Plymouth Hoe from the Barbican Harbour, site of the Mayflower Steps, from which the Pilgrim Fathers left England to settle in North America in 1620.

The [Interdisciplinary Centre for Computer Music Research](#) (ICCMR) is hosting the symposium on campus in the center of Plymouth, in their newly completed multi-million pound headquarters, "[The House](#)", which includes a multichannel diffusion suite and full-scale auditorium for concert performances.

As usual, contributions in all the topics covered by CMMR are welcome, but contributions related to the conference theme "Music, Mind & Embodiment" will be strongly encouraged.

The notion of mind and embodiment is important in any field related to sound and music and is therefore well adapted to this interdisciplinary conference, since it can be studied from different standpoints spanning from physics to perceptual and cognitive considerations, and from scientific to artistic approaches.

Some central questions of interest in this context are (but not necessarily restricted to) :

- How to identify perceptually relevant signal properties linked to music (for example, neurophysiologically or biologically influenced music creation, performance, or analysis?)
- How to define new timbre descriptors that characterise perceptual or emotional characteristics?
- What is the link between mind and embodiment in musical performance, interpretation, and improvisation ?

- How can gesture and embodiment be used as a control signal for music generation, sonification, and performance ?
- How can multiple modalities be characterised in interdisciplinary musical contexts (vision, audition, kinesthetic, bio- and neuro- informed approaches) ?

All the CMMR gatherings have resulted in post symposium proceedings built up from selected peer-reviewed papers and published by Springer Verlag in the Lecture Notes in Computer Sciences Series (LNCS 2771, 3310, 3902, 4969, 5493, 5954, 6684, 7172), and this is also planned for CMMR 2015.

Two types of contributions can be submitted to CMMR 2015:

- Scientific papers (for oral or poster sessions)
- Music (for programming in the evening concert series)

In addition, paper, performance, and demonstration submissions to the satellite workshop on Music Neurotechnology are also welcomed (see <http://cmr.soc.plymouth.ac.uk/bcmi2015/> for details).

Topics

Original contributions are encouraged in, but not limited to, the following topics:

- Music and emotion
- Embodiment in performance
- Motion and gesture
- Therapy and remediation
- Sound, Music and motions (e.g. analysis, retrieval, synthesis, composition, performance, music for images)
- Gestural control of sound synthesis
- Musical gesture analysis
- Augmented musical instruments
- Musical interfaces
- Musically inspired HCI
- Mapping and Sonification
- Computational musicology
- Auditory perception and cognition
- Virtual reality, augmented reality and human-computer interaction related to music
- Digital music libraries
- User studies (e.g. ethnography, usability of music software)
- New methods for music representation and visualization
- Retrieval and music recommendation tools
- Intelligent music tutoring systems
- Music games and interactive learning
- Music production and composition tools
- Structuring of audio data
- Cooperative music networks
- Analysis, recognition, comparison, classification, and modeling of sound and music
- Music and sound data mining
- Sound synthesis
- Optical music recognition

- Semantic web music technologies
- Sound source separation
- Music structure analysis
- Music transcription
- Artificial intelligence and cognitive science for sound and music

Submission

The procedure and details for submission of music or papers are available online at <http://cmr.soc.plymouth.ac.uk/cmmr2015/author.html>. Submitted papers must be camera-ready and conform to the format specified in the author instructions at the above URL.

Important dates:

Paper submission deadline	February 27 th 2015
Music submission deadline	February 27 th 2015
Notification of acceptance	March 27 th 2015
Revisions and camera-ready copy deadline	May 1 st 2015

For general enquiries, please contact the conference general chairs using the following email address:

cmmr2015-chairs@plymouth.ac.uk

For music submissions, please contact the music chair using the following email address:

cmmr2015-music@plymouth.ac.uk

For specific enquiries regarding paper submissions, please contact the paper chairs using the following address:

cmmr2015-program@plymouth.ac.uk

Please forward this call to interested parties.

We look forward to your contribution!

Prof Eduardo R Miranda, ICCMR (conference chair)
Joel Eaton, ICCMR (programme committee)
Dr Duncan Williams, ICCMR (music committee)
Mitsuko Aramaki, Sølvi Ystad and Richard Kronland-Martinet, CNRS-LMA (paper and proceedings chairs)