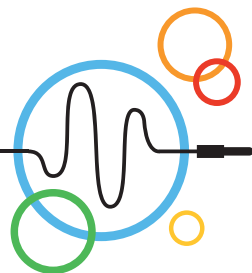


CMMRlondon ²⁰¹² Music & Emotions

Programme Guide

19-22 June 2012

Queen Mary University of London



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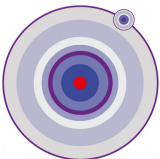
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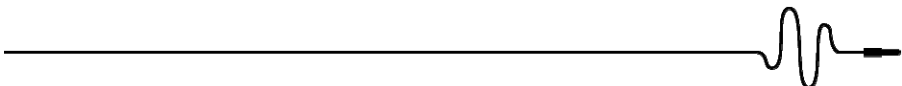
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I Like
Music



MIRCS



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Welcome to CMMR 2012

On behalf of the Conference Committee, it is a pleasure for us to welcome you to London for the 9th International Symposium on Computer Music Modeling and Retrieval (CMMR 2012): Music and Emotions. Jointly organised by the Centre for Digital Music, Queen Mary University of London, and the CNRS - Laboratoire de Mécanique et d'Acoustique, Marseille, France, CMMR 2012 brings together researchers, educators, librarians, composers, performers, software developers, members of industry, and others with an interest in computer music modeling, retrieval, analysis, and synthesis to join us for what promises to be a great event.

For this year's symposium, we chose the theme of Music and Emotions. Music can undoubtedly trigger various types of emotions within listeners. The power of music to affect our mood may explain why music is such a popular and universal art form. Research in cognitive science has investigated these effects, including the enhancement of intellectual faculties in given conditions by inducing positive affect. Music psychology has studied the production and discrimination of various types of expressive intentions and emotions in the communication chain between composer, performer and listener. Music informatics research has employed machine learning algorithms to discover relationships between objective features computed from audio recordings and subjective mood labels given by human listeners. But the understanding of the genesis of musical emotions and the mapping of musical variables to emotional responses remain complex research problems.

CMMR 2012 received over 150 submissions of papers, music, tutorials, and demos, and the committees chose the best of these to form a programme with seven technical sessions, two poster sessions, two panel sessions, a demo session, three concerts, two tutorials and a workshop. We are honoured to host the following invited speakers covering various aspects of our theme: Patrik Juslin (music psychology), Laurent Daudet (music signal processing) and Simon Boswell (film music composition). Ample time has been left between sessions for discussion and networking, complemented by the evening social programme, consisting of a welcome reception at Wilton's Music Hall, and a conference banquet on Thursday 21st June at Under the Bridge, which will feature a concert from the French band BBT and a jam session, in which delegates are invited to join in.

We wish to thank Mitsuko Aramaki, Richard Kronland-Martinet and Sølvi Ystad for giving us the opportunity to host this conference and for their work selecting the programme. We also thank our sponsors, who have generously supported the conference, allowing us to offset some of the costs of holding a conference in pre-Olympic London, including very busy scientific, musical and social programmes. Finally, we would like to take the opportunity to thank all of the members of the various committees, listed on the following pages, for their contribution to the symposium, the reviewers for their meticulous hard work, as well as the authors, presenters, composers and musicians taking part in the programme, without whom we would not have been able to host CMMR 2012.

We hope you enjoy the various scientific, musical and social events of the next four days, and that your time with us in London is rewarding.

Mathieu Barthet and Simon Dixon
CMMR 2012 Symposium Chairs

Organising Committee

Symposium Chairs

Mathieu Barthet, Centre for Digital Music, Queen Mary University of London
Simon Dixon, Centre for Digital Music, Queen Mary University of London

Proceedings Chairs

Richard Kronland-Martinet, CNRS-LMA (Marseille, France)
Sølvi Ystad, CNRS-LMA (Marseille, France)
Mitsuko Aramaki, CNRS-LMA (Marseille, France)
Mathieu Barthet, Centre for Digital Music, Queen Mary University of London
Simon Dixon, Centre for Digital Music, Queen Mary University of London

Paper and Program Chairs

Richard Kronland-Martinet, CNRS-LMA (Marseille, France)
Mitsuko Aramaki, CNRS-LMA (Marseille, France)
Sølvi Ystad, CNRS-LMA (Marseille, France)
Panos Kudumakis, Centre for Digital Music, Queen Mary University of London

Demonstrations, Panels & Tutorials Chairs

Daniele Barchiesi, Centre for Digital Music, Queen Mary University of London
Steven Hargreaves, Centre for Digital Music, Queen Mary University of London

Music Chairs and Concert Curators

Andrew McPherson, Centre for Digital Music, Queen Mary University of London
Elaine Chew, Centre for Digital Music, Queen Mary University of London
Mathieu Barthet, Centre for Digital Music, Queen Mary University of London

Organising Committee

Daniele Barchiesi, Centre for Digital Music, Queen Mary University of London
Emmanouil Benetos, Centre for Digital Music, Queen Mary University of London
Luis Figueira, Centre for Digital Music, Queen Mary University of London
Dimitrios Giannoulis, Centre for Digital Music, Queen Mary University of London
Steven Hargreaves, Centre for Digital Music, Queen Mary University of London
Tom Heathcote, Queen Mary University of London
Sefki Kolozali, Centre for Digital Music, Queen Mary University of London
Sue White, Queen Mary University of London

Programme Committee

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Federico Avanzini, University of Padova, Italy
Isabel Barbancho, University of Málaga, Spain
Mathieu Barthet, Queen Mary University of London, UK
Roberto Bresin, KTH, Sweden
Marcelo Caetano, IRCAM, France
Antonio Camurri, University of Genova, Italy
Kevin Dahan, University of Paris-Est Marne-La-Vallée, France
Olivier Derrien, Toulon-Var University, France
Simon Dixon, Queen Mary University of London, UK
Barry Eaglestone, University of Sheffield, UK
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Cédric Févotte, CNRS-TELECOM ParisTech, France
Bruno Giordano, McGill University, Canada
Emilia Gómez, Pompeu Fabra University, Spain
Goffredo Haus, Laboratory for Computer Applications in Music, Italy
Henkjan Honing, University of Amsterdam, The Netherlands
Kristoffer Jensen, Aalborg University, Denmark
Anssi Klapuri, Queen Mary University of London, UK
Richard Kronland-Martinet, CNRS-LMA, France
Panos Kuditakis, Queen Mary University of London, UK
Mark Levy, Last.fm, UK
Sylvain Marchand, Université de Bretagne Occidentale, France
Matthias Mauch, Queen Mary University of London, UK
Eduardo Miranda, University of Plymouth, UK
Marcus Pearce, Queen Mary University of London, UK
Emery Schubert, University of New South Wales, Australia
Björn Schuller, Munich University of Technology, Germany
Bob Sturm, Aalborg University, Denmark
George Tzanetakis, University of Victoria, Canada
Thierry Voinier, CNRS-LMA, France
Geraint A. Wiggins, Queen Mary University of London, UK
Sølvi Ystad, CNRS-LMA, France

Music Committee

Bertrand Arnold, Soundisplay, UK
Mathieu Barthet, Queen Mary University of London, UK
Elaine Chew, Queen Mary University of London, UK
Jacques Diennet, Ubris Studio, France
Philippe Festou, Laboratoire Musique et Informatique, France
Pascal Gobin, Conservatoire National de Région Marseille, France
Keeril Makan, Massachusetts Institute of Technology, USA
Ryan MacEvoy McCullough, Royal Conservatory, Canada
Andrew McPherson, Queen Mary University of London, UK
Eduardo Miranda, University of Plymouth, UK
Joo Won Park, Community College of Philadelphia, USA
Thomas Patteson, University of Pennsylvania, USA
Isaac Schankler, University of Southern California, USA
Jeff Snyder, Princeton University, USA
Dan Tidhar, King's College London, UK
Maurice Wright, Temple University, USA

Additional Reviewers

Samer Abdallah, Queen Mary University of London, UK
Emmanouil Benetos, Queen Mary University of London, UK
Charles Gondre, CNRS-LMA, France
Bas de Haas, Universiteit Utrecht, The Netherlands
Cyril Joder, Technische Universität München, Germany
Sefki Kolozali, Queen Mary University of London, UK
Andrew McPherson, Queen Mary University of London, UK
Martin Morrell, Queen Mary University of London, UK
Katy Noland, BBC, UK
Anaik Olivero, CNRS-LMA, France
Dan Tidhar, King's College, UK
Xue Wen, Queen Mary University of London, UK
Thomas Wilmering, Queen Mary University of London, UK
Massimiliano Zanoni, Politecnico di Milano, Italy

Sound Engineers

James Waldron
Jacques Diennet

General Information

Registration

Registration to the conference will be held in the reception area of the Francis Bancroft Building (ground floor) at Queen Mary University of London, Mile End Campus. The registration desk will be operational from 19th – 22nd June starting at 9am every day.

Conference Venue

The oral sessions, poster sessions and the demo sessions will be held in the Francis Bancroft Building at Queen Mary University of London, Mile End Campus.

The "Musicology and Music Information Retrieval Tools" Tutorial and the "Cross-Disciplinary Perspectives on Expressive Performance Workshop" on Tuesday 19th June 2012 will take place in the David Sizer Lecture Theatre, located at the ground floor of the Francis Bancroft Building.

The tutorial/workshop on "Pure Data and Sound Design" will take place in the Media, Arts and Technology Lab, G2, located on the ground floor of the Engineering building, on Mile End Road (close to Bancroft Road).

The paper oral sessions on 20th, 21st, and 22nd June 2012 will be held in the Mason Lecture Theatre, located on the 1st floor of the Francis Bancroft Building.

The poster and demo sessions will take place in the exhibition space 1.13 located on the 1st floor of the Francis Bancroft building, opposite the Mason Lecture Theatre.

Music Venue

The CMMR concerts will take place in the prestigious Wilton's Music Hall located in East London near Tower Hill. The Wilton's Music Hall is the "world's oldest, surviving Grand Music Hall" and produces an exciting programme of creative entertainment including theatre, music, comedy, cinema and cabaret.

Gala Dinner

The gala dinner will take place at the Under The Bridge venue followed by a concert from band BBT and a Jam Session opened to delegates. Paper awards (Cognitive Science Society and I Like Music) will be given during the Gala Dinner evening, or during the conference if the nominees do not attend the Gala Dinner.

Programme

Tuesday 19th June

- 09:00-10:00 Registration
Francis Bancroft Building, Reception
- 10:00-12:30 **Tutorial/Workshop 1**
Pure Data and Sound Design (Andy Farnell)
Engineering Building, Media and Arts Technology Lab, G2
- 10:00-12:30 **Tutorial 2**
Musicology and Music Information Retrieval Tools (Daniel Leech
Wilkinson and Dan Tidhar)
Francis Bancroft Building, David Sizer LT
- 10:00-12:30 **CMMR 2012 Music Concert** and C4DM Recording and Performance
Space Tour
Engineering Building, Performance Space
- 11:00-12:00 Coffee Break
Francis Bancroft Building, Room 1.13
- 12:30-13:30 Lunch
Francis Bancroft Building, Room 1.13
- 13:30-17:00 **Cross-Disciplinary Perspectives on Expressive Performance
Workshop**
Supported by the Arts and Humanities Research Council (AHRC)
Francis Bancroft Building, David Sizer LT
- 15:00-17:00 Tour of British Library Sound Studios
- 15:00-16:00 Coffee Break
Francis Bancroft Building, Room 1.13
- 18:30-19:30 **Welcome Reception**
Balconies of Wilton's Grand Music Hall
- 20:00-22:00 **New Resonances Festival** (Concert 1)
Wilton's Music Hall

Programme

Wednesday 20th June

- 09:00 - 09:30 Registration
Francis Bancroft Building, Reception
- 09:30 - 09:45 Welcome and Announcements
Francis Bancroft Building, Mason LT
- 09:45 - 10:45 **Keynote Talk 1:** "Hearing with our hearts: Psychological perspectives on music and emotions" (Prof. Patrik N. Juslin)
Francis Bancroft Building, Mason LT
- 10:45 - 11:00 Coffee Break
Francis Bancroft Building, Room 1.13
- 11:00 - 12:20 **Oral session 1:** Music Emotion Analysis
Francis Bancroft Building, Mason LT
- 12:20 - 12:40 **Yamaha Talk**
Francis Bancroft Building, Mason LT
- 12:40 - 14:00 Lunch
Francis Bancroft Building, Room 1.13
- 14:00 - 15:00 **Poster Session 1:** Music Emotion: Analysis, Retrieval, and Multimodal Approaches, Synthesis, Symbolic Music-IR, Spatial Audio, Performance, Semantic Web
Francis Bancroft Building, Room 1.13
- 15:00 - 16:40 **Oral Session 2:** 3D Audio and Sound Synthesis
Francis Bancroft Building, Mason LT
- 16:40 - 17:00 Coffee break
Francis Bancroft Building, Room 1.13
- 17:00 - 18:00 **Panel 1:** "Production Music: Mood and Metadata" (Dr. Mathieu Barthes, David Marston, Will Clark, Joanna Gregory, Marco Perry)
Francis Bancroft Building, Mason LT
- 20:00 - 22:00 **New Resonances Festival** (Concert 2)
Wilton's Music Hall

Programme

Thursday 21st June

- 09:00 - 09:30 Registration
Francis Bancroft Building, Reception
- 09:30 - 10:30 **Keynote Talk 2:** "The why, how, and what of sparse representations for audio and acoustics" (Prof. Laurent Daudet)
Francis Bancroft Building, Mason LT
- 10:30 - 11:00 Coffee break
Francis Bancroft Building, Room 1.13
- 11:00 - 12:20 **Oral Session 3:** Computer Models of Music Perception and Cognition: Applications and Implications for MIR
Francis Bancroft Building, Mason LT
- 12:20 - 12:40 **myfii Talk**
Francis Bancroft Building, Mason LT
- 12:40 - 13:40 Lunch
Francis Bancroft Building, Room 1.13
- 13:40 - 15:00 **Poster session 2:** Computer Models of Music Perception and Cognition, Music Information Retrieval, Music Similarity and Recommendation, Musicology, Intelligent Music Tuition Systems
Francis Bancroft Building, Room 1.13
- 15:00 - 16:40 **Oral session 4:** Music Emotion Recognition
Francis Bancroft Building, Mason LT
- 16:40 - 17:00 Coffee break
Francis Bancroft Building, Room 1.13
- 17:00 - 18:30 **Panel 2:** "The Future of Music Information Research" (Prof. Geraint A. Wiggins, Prof. Joydeep Bhattacharya, Prof. Tim Crawford, Dr. Alan Marsden, Prof. John Sloboda)
Francis Bancroft Building, Mason LT
- 20:00 - 00:00 **Gala Dinner** followed by BBT Concert and Open Jam Session
Under The Bridge venue (Chelsea Football Club)

Programme

Friday 22nd June

- 09:00 - 09:30 Registration
Francis Bancroft Building, Reception
- 09:30 - 10:30 **Keynote Talk 3:** "Music In Cinema: How Soundtrack Composers Act
On The Way People Feel" (Simon Boswell)
Francis Bancroft Building, Mason LT
- 10:30 - 11:00 Coffee break
Francis Bancroft Building, Room 1.13
- 11:00 - 12:40 **Oral Session 5:** Music Information Retrieval
Francis Bancroft Building, Mason LT
- 12:40 - 13:40 Lunch
Francis Bancroft Building, Room 1.13
- 13:40 - 14:40 **Demo Session**
Francis Bancroft Building, Room 1.13
- 13:40 - 14:40 **Yamaha Showcase**
(by invitation only - please speak to Yamaha delegates if interested)
Francis Bancroft Building, room 1.0.2.6
- 14:40 - 15:40 **Oral Session 6:** Film Soundtrack and Music Recommendation
Francis Bancroft Building, Mason LT
- 15:40 - 16:00 Coffee break
Francis Bancroft Building, Room 1.13
- 16:00 - 17:20 **Oral Session 7:** Computational Musicology and Music Education
Francis Bancroft Building, Mason LT
- 19:00 - 22:00 **New Resonances Festival** (Concert 3)
Wilton's Music Hall

Plenary and Poster Sessions

Oral session 1: Music Emotion Analysis

Wednesday 20th June 2012, 11:00-12:20

- 11:00 - 11:20 *Expressive Dimensions In Music*
Tom Cochrane and Olivier Rosset
- 11:20 - 11:40 *Emotion in Motion: A Study of Music and Affective Response*
Javier Jaimovich, Niall Coghlan and R. Benjamin Knapp
- 11:40 - 12:00 *Psychophysiological measures of emotional response to Romantic orchestral music and their musical and acoustic correlates*
Konstantinos Trochidis, David Sears, Dieu-Ly Tran and Stephen McAdams
- 12:00 - 12:20 *CCA and Multi-way Extension for Investigating Common Components Between Audio, Lyrics and Tags*
Matt McVicar and Tijl De Bie

Poster session 1: Music Emotion: Analysis, Retrieval and Multimodal Approaches, Synthesis, Symbolic Music-IR, Spatial audio, Performance, Semantic Web

Wednesday 20th June 2012, 13:00-15:00

Music Emotion Regression Based on Multi-modal Features
Di Guan, Xiaou Chen and Deshun Yang

Application of Free Choice Profiling for the Evaluation of Emotions Elicited by Music
Judith Liebetrau, Sebastian Schneider and Roman Jezierski

SUM: From Image-Based Sonification to Computer-Aided Composition
Sara Adhitya and Mika Kuuskankare

Automatic Interpretation of Chinese Traditional Musical Notation Using Conditional Random Field
Rongfeng Li, Yelei Ding, Wenxin Li and Minghui Bi

Music Dramaturgy and Human Reactions: Music as a Means for Communication
Javier Alejandro Garavaglia

ENP-Regex - a Regular Expression Matcher Prototype for the Expressive Notation Package
Mika Kuuskankare

Sonic Choreography for Surround Sound Environments
Tommaso Perego

An Investigation of Music Genres and Their Perceived Expression Based on Melodic and Rhythmic Motifs
Débora C. Corrêa, F. J. Perez-Reche and Luciano Da F. Costa

A Synthetic Approach to the Study of Musically-induced Emotions
Sylvain Le Groux and Paul Verschure

Timing Synchronization in String Quartet Performance: a Preliminary study
Marco Marchini, Panos Papiotis and Esteban Maestre

Predicting Time-Varying Musical Emotion Distributions from Multi-Track Audio
Jeffrey Scott, Erik Schmidt, Matthew Prockup, Brandon Morton and Youngmoo Kim

Codebook Design Using Simulated Annealing Algorithm for Vector Quantization of Line Spectrum Pairs
Fatiha Merazka

Pulsar Synthesis Revisited: Considerations for a MIDI Controlled Synthesiser
Thomas Wilmering, Thomas Rehaag and André Dupke

Knowledge Management On The Semantic Web: A Comparison of Neuro-Fuzzy and Multi-Layer Perceptron Methods For Automatic Music Tagging
Sefki Kolozali, Mathieu Barthet and Mark Sandler

Oral session 2: 3D Audio and Sound Synthesis

Wednesday 20th June 2012, 15:00-16:40

15:00 - 15:20 *A 2D Variable-Order, Variable-Decoder, Ambisonics based Music Composition and Production Tool for an Octagonal Speaker Layout*
Martin Morrell and Joshua Reiss

15:20 - 15:40 *Perceptual characteristic and compression research in 3D audio technology*
Ruimin Hu, Shi Dong, Heng Wang, Maosheng Zhang, Song Wang and Dengshi Li

15:40 - 16:00 *Rolling Sound Synthesis: Work In Progress*
Simon Conan, Mitsuko Aramaki, Richard Kronland-Martinet and Sølvi Ystad

16:00 - 16:20 *EarGram: an Application for Interactive Exploration of Large Databases of Audio Snippets for Creative Purposes*
Gilberto Bernardes, Carlos Guedes and Bruce Pennycook

16:20 - 16:40 *From Shape to Sound: Sonification of Two Dimensional Curves By Reenaction of Biological Movements*
Etienne Thoret, Mitsuko Aramaki, Richard Kronland-Martinet, Sølvi Ystad and Jean-Luc Velay

**Oral session 3: Computer Models of Music Perception and Cognition:
Applications and Implications for Music Information Retrieval**
Thursday 21st June 2012, 11:00-12:20

11:00 - 11:20 *The Role of Time in Music Emotion Recognition*
Marcelo Caetano and Frans Wiering

11:20 - 11:40 *The Intervalgram: An Audio Feature for Large-scale Melody Recognition*
Thomas C. Walters, David Ross and Richard F. Lyon

11:40 - 12:00 *Perceptual dimensions of short audio clips and corresponding timbre features*
Jason Jiří Musil, Budr Al-Nasiri and Daniel Müllensiefen

12:00 - 12:20 *Towards Computational Auditory Scene Analysis: Melody Extraction from Polyphonic Music*
Karin Dressler

Poster session 2: Computer Models of Music Perception and Cognition*, Music Information Retrieval, Music Similarity and Recommendation, Computational musicology, Intelligent Music Tuition Systems
Thursday 21st June 2012, 12:40-15:00

(Posters for special session on Computer Models of Music Perception and Cognition are indicated with *)

*Predicting Emotion from Music Audio Features Using Neural Networks**
Naresh Vempala and Frank Russo

*Multiple Viewpoint Modeling of North Indian Classical Vocal Compositions**
Ajay Srinivasamurthy and Parag Chordia

*Comparing Feature-Based Models of Harmony**
Martin A. Rohrmeier and Thore Graepel

*Music Listening as Information Processing**
Eliot Handelman and Andie Sigler

On Automatic Music Genre Recognition by Sparse Representation Classification using Auditory Temporal Modulations
Bob Sturm and Pardis Noorzad

A Survey of Music Recommendation Systems and Future Perspectives
Yading Song, Simon Dixon and Marcus Pearce

A Spectral Clustering Method for Musical Motifs Classification
Alberto Pinto

Songs2See: Towards a New Generation of Music Performance Games
Estefanía Cano, Sascha Grollmisch and Christian Dittmar

A Music Similarity Function Based on the Fisher Kernels
Jin S. Seo, Nocheol Park and Seungjae Lee

Automatic Performance of Black and White n.2: The Influence of Emotions Over Aleatoric Music
Luca Andrea Ludovico, Adriano Baratè and Stefano Baldan

The Visual SDIF interface in PWGL
Mika Kuuskankare

Application of Pulsed Melodic Affective Processing to Stock Market Algorithmic Trading and Analysis
Alexis Kirke and Eduardo Miranda

A Graph-Based Method for Playlist Generation
Débora C. Corrêa, Alexandre L. M. Levada and Luciano Da F. Costa

Compression-Based Clustering of Chromagram Data: New Method and Representations
Teppo Ahonen

GimmeDaBlues: An Intelligent Jazz/Blues Player And Comping Generator for iOS devices
Rui Dias, Telmo Marques, George Sioros and Carlos Guedes

Oral session 4: Music Emotion Recognition

Thursday 21st June 2012, 15:00-16:40

- 15:00 - 15:20 *Multidisciplinary Perspectives on Music Emotion Recognition: Implications for Content and Context-Based Models*
Mathieu Barthelet, György Fazekas and Mark Sandler
- 15:20 - 15:40 *A Feature Survey for Emotion Classification of Western Popular Music*
Scott Beveridge and Don Knox
- 15:40 - 16:00 *Support Vector Machine Active Learning for Music Mood Tagging*
Alvaro Sarasua, Cyril Laurier and Perfecto Herrera
- 16:00 - 16:20 *Modeling Expressed Emotions in Music using Pairwise Comparisons*
Jens Madsen, Jens Brehm Nielsen, Bjørn Sand Jensen and Jan Larsen
- 16:20 - 16:40 *Relating Perceptual and Feature Space Invariances in Music Emotion Recognition*
Erik Schmidt, Matthew Prockup, Jeffrey Scott, Brian Dolhansky, Brandon Morton and Youngmoo Kim

Oral session 5: Music Information Retrieval

Friday 22nd June 2012, 11:00-12:40

- 11:00 - 11:20 *Automatic Identification of Samples in Hip Hop Music*
Jan Van Balen, Martín Haro and Joan Serra
- 11:20 - 11:40 *Novel use of the variogram for MFCCs modeling*
Simone Sammartino, Lorenzo J. Tardon and Isabel Barbancho
- 11:40 - 12:00 *Automatic String Detection for Bass Guitar and Electric Guitar*
Jakob Abesser
- 12:00 - 12:20 *Improving Beat Tracking in the Presence of Highly Predominant Vocals Using Source Separation Techniques: Preliminary Study*
Jose Zapata and Emilia Gomez
- 12:20 - 12:40 *Oracle Analysis of Sparse Automatic Music Transcription*
Ken O'Hanlon, Hidehisa Nagano and Mark Plumbley

Oral session 6: Film Soundtrack and Music Recommendation

Friday 22nd June 2012, 14:40-15:40

14:40 - 15:00 *The influence of music on the emotional interpretation of visual contexts - Designing Interactive Multimedia Tools for Psychological Research*
Fernando Bravo

15:00 - 15:20 *The Perception of Auditory-visual Looming in Film*
Sonia Wilkie and Tony Stockman

15:20 - 15:40 *Taking Advantage of Editorial Metadata to Recommend Music*
Dmitry Bogdanov and Perfecto Herrera

Oral session 7: Computational Musicology and Music Education

Friday 22nd June 2012, 16:00-17:20

16:00 - 16:20 *Bayesian MAP estimation of piecewise arcs in tempo time-series*
Dan Stowell and Elaine Chew

16:20 - 16:40 *Structural Similarity Based on Time-span Tree*
Satoshi Tojo and Keiji Hirata

16:40 - 17:00 *Subject and Counter-subject Detection for Analysis of the Well-Tempered Clavier Fugues*
Mathieu Giraud, Richard Groult and Florence Levé

17:00 - 17:20 *Enabling Participants to Play Rhythmic Solos Within a Group via Auctions*
Arjun Chandra, Kristian Nymoen, Arve Voldsund, Alexander Refsum Jensenius, Kyrre Glette and Jim Torresen

Demo session

Friday 22nd June 2012, 13:40-14:40

Development of a Test to Objectively Assess Perceptual Musical Abilities
Lily Law and Marcel Zentner

Soi Moi...
n + n Corsino and Jacques Diennet

Maps and Directions

Queen Mary University of London

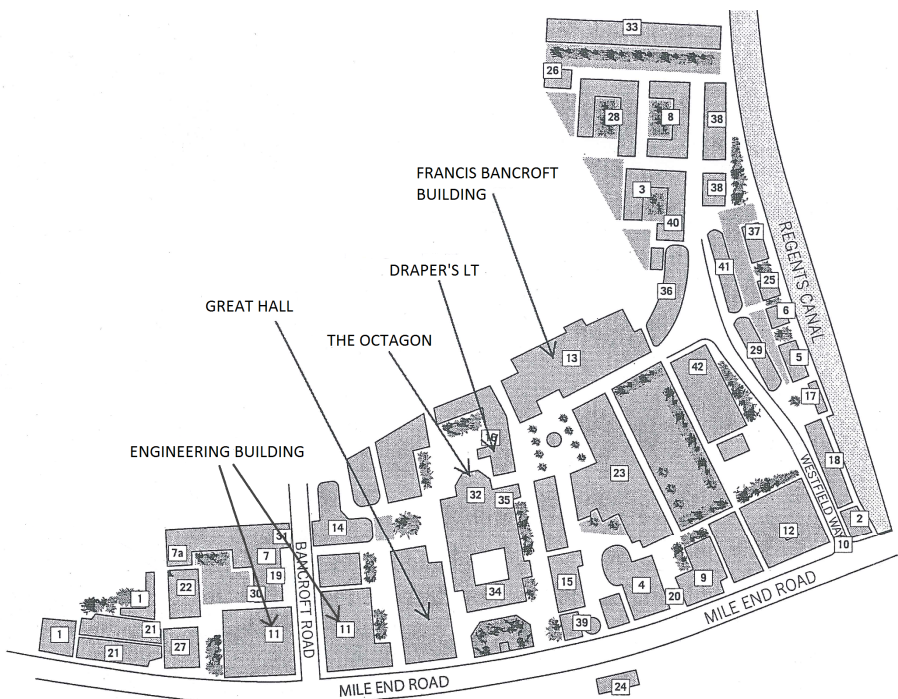
Conference venue address:

Francis Bancroft Building
Queen Mary University of London
Mile End Road
London E1 4NS, UK
<http://www.qmul.ac.uk/about/howtofindus/>

The nearest London Underground stations to the conference venue are Mile End on the Central Line, District Line, or Hammersmith and City Line, and Stepney Green on the District Line and Hammersmith and City Line. Both stations are in Zone 2 of the London Underground and five minutes walking from Queen Mary University of London. For travel information please see the Transport for London Journey Planner (<http://journeyplanner.tfl.gov.uk/>).

- From Mile End station, turn left and cross Burdett Road and Mile End Road at the traffic lights, and continue along the Mile End Road until you reach the College buildings on the right.
- From Stepney Green, turn left out of the station, cross Globe Road and continue along Mile End Road.

By bus take the number 25 (Oxford Circus to Ilford) and get off near Bancroft Road. There are a number of other services stopping within five minutes' walk of the site, including the 277 (Highbury and Islington to Canary Wharf) and Docklands services.



Wilton's Music Hall

Wilton's is half way down Graces Alley (pedestrian access only), just off Ensign Street, which is between Cable Street and The Highway, near Tower Bridge and St. Katherine's Dock.

To get to Wilton's from Queen Mary with the underground, you can take the District Line (towards Wimbledon, Ealing Broadway, or Richmond), either at Stepney Green or Mile End stations, and exit at Tower Hill (approx. 15min). Walking from Tower Hill station to Wilton's takes about 10min.

Tube/DLR stations: Tower Hill, Tower Gateway, Shadwell

Buses: D3, 115, RV1, 100, 79, 42, 25, 205 and 254



Under the Bridge

Under The Bridge is located within Chelsea Football Club (at the bottom of the East side of the stadium).

To get to Under The Bridge from Queen Mary with the underground and by walk, you can take the District Line (towards Wimbledon, Ealing Broadway, or Richmond), either at Stepney Green or Mile End stations and alight at Fulham Broadway station (approx. 40min). Walking from Fulham Broadway tube station to Under The Bridge takes about 10min.

Gala Dinner address:

Under the Bridge

Stamford Bridge

Fulham Road

London

SW6 1HS

<http://underthebridge.co.uk>



















Tube station: Fulham Broadway (District Line)

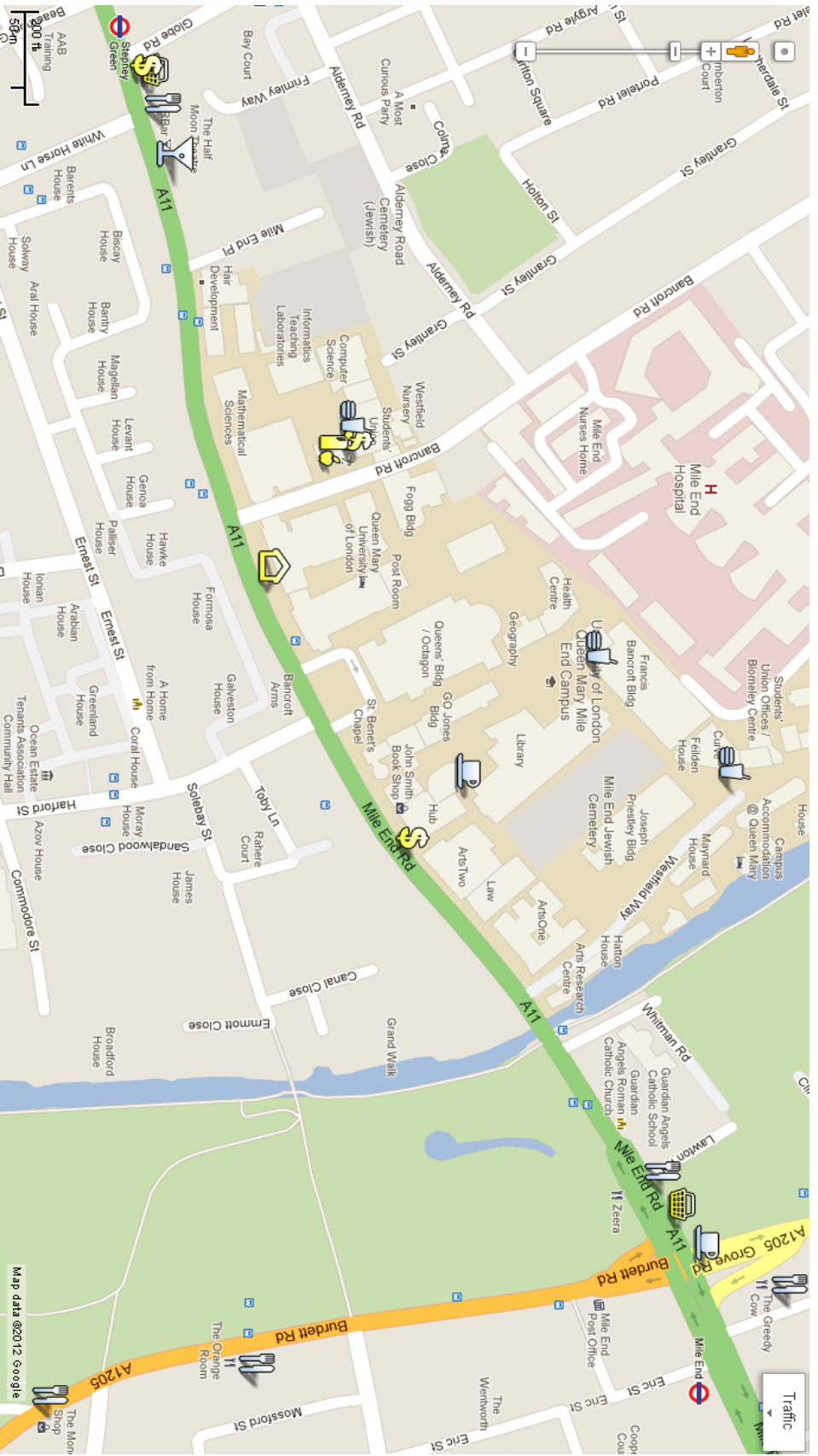
Buses: 14, 22, 414, 11



Local Area Amenities

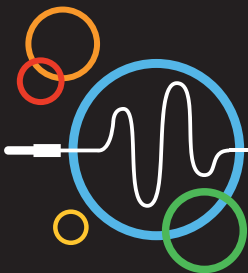
As presented on next page's Google Map in order of appearance from right to left:

-  **Ariana**
Iranian Restaurant
-  **Orange Room**
Lebanese Cafe/Restaurant
-  **The Greedy Cow**
Eatery (fancy burgers)
-  **Roastars**
Coffee Shop
-  **Budgens**
Supermarket
-  **The Golden Bird**
Chinese restaurant
-  **Cash Point**
ATM machine
-  **The Curve**
QMUL canteen
-  **Ground Coffee**
Coffee shop - Canteen
-  **Mucci's**
QMUL Canteen - Restaurant
-  **Engineering Building**
C4DM Offices (on the 1st floor)
-  **Infusion**
Mini market
-  **Cash Point**
ATM machine
-  **Draper's Bar**
Bar / Burger place
-  **The Half Moon - Weatherspoons**
Pub - Eatery
-  **Pride of Asia**
Indian Buffet Restaurant
-  **The Co-operative Food**
Supermarket
-  **Cash Point**
ATM machine



Traffic

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