



Organized by



University of Athens



University of Piraeus



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Welcome

The First International Workshop of Folk Music Analysis: Symbolic and Signal Processing, will take place in Athens, Greece, on the 19th and 20th of May, 2011. The Venue is the [Old Univeristy of Athens](#), in the Old Town, just under the Acropolis.

The purpose of the event is to gather reseachers who work in the area of computational folk music analysis, using symbolic or singal processing methods, to present their work, discuss and exchange views on the topic.

There is no call for papers for this event; Speakers are invited to present their work. If you want to be invited to give a presentation, please send an email with a title and an abstract to the Workshop's organisers by the 15th of April 2011 at: fma.workshop@gmail.com

Presentations on all types of ethnic/folk music are welcome. We ask that all talks focus on specific musical styles(s) or region(s), which are made explicit in the title. In case the abstracts are more than the slots available, a selection will be made by the organising committee and the already confirmed speakers.

A selection of presenters will also be invited to submit a paper to the 2012 Special Issue of the Journal of Analytical Approches to World Music, entitled "Computational Folk Music Analysis".

The event is organised jointly by the University of Athens and the University of Piraeus and is sponsored by EURASIP, the European Association for Signal Processing, eurasip.org.

Organising comittee:

Christina Anagnostopoulou, Department. of Music Studies, University of Athens, Greece.

Aggelos Pikrakis, Department of Informatics, University of Piraeus, Greece.

Baris Bozkurt, IZMIR Institute of Technology, Turkey.

Sergios Theodoridis, Department of Informatics and Telecommunications, University of Athens, Greece.

Program

First International Workshop on Folk Music Analysis
Athens, 19th and 20th of May, 2011

Thursday 19th May

9 - 9.45 am: Welcome, coffee and registration

Session 1: General Considerations

Chair: Baris Bozkurt

9.45 - 10.30

Automatic Transcription: An Enabling Technology for Music Analysis

Simon Dixon, Queen Mary University of London, UK
(Plenary sponsored by EURASIP)

10.30 - 11

Demands on signal processing algorithms for the analysis of traditional music

Andreas Holzapfel, INESC Porto, Portugal

11- 11.30 Coffee and cake

Session 2: Eastern Mediterranean: Turkish Music and Makams

Chair: Rafael Ramirez

11.30 - 12

Automatic Transcription for Makam Music in Turkey

Baris Bozkurt, IZMIR Institute of Technology, Turkey

12 - 12.30

Some Concepts for Formal Models for Improvisational Processes in Modal Music of Turkey and Greece

Iannis Zannos, Ionian University, Greece

12.30 - 1pm

Maqam Improvisation Analysis Based on an Integrated Modelling of Surface-Based and Culture-Dependent Rules

Olivier Lartillot and Mondher Ayari, University of Jyväskylä, Finland, and IRCAM CNRS and University of Strasbourg, France

1 - 3 Lunch and coffee

Session 3: Eastern Mediterranean: Greek music

Chair: Sven Ahlback

3 - 3.30

Quantitative Investigation of Temporal Microdeviations in Traditional Greek Asymmetric Metres

K. Peninta, Emiliou Cambouropoulos & George Papadelis, Aristotle University of Thessaloniki, Greece

3.30 - 4

Investigation of the performance of beat-tracking systems on traditional Greek asymmetric rhythms

Thanos Fouloulis and Emiliios Cambouropoulos, Aristotle University of Thessaloniki, Greece

4 - 4.30

Mining Repeating Audio Patterns in Greek Folk Music

Aggelos Pikrakis, University of Piraeus, Greece

4.30 - 5 Coffee and pies

Session 3 continues

5 - 5.30

On the computational analysis of Cretan folk music

Christina Anagnostopoulou and Darrell Conklin, University of Athens, Greece, and University of the Basque Country, Spain

5.30 - 6

Cultural Parameters of Melodic Similarity

Eleanor Selfridge-Field, Stanford University, USA (Over Skype)

6 - 7 Discussion of Day 1 (with baklava and raki):

- Problems and challenges related to computational FMA, and possible solutions.

- Future of FMA Workshops

Chair: Aggelos Pikrakis

8pm Dinner

Friday 20th May

9 - 9.30 Coffee and cake

Session 4: European (western) musics

Chair: Emiliios Cambouropoulos

9.30 - 10

Tracking asymmetrical beat patterns in Scandinavian Polskas

Sven Ahlback, Royal College of Music, Stockholm, Sweden

10 - 10.30

On Finding and Transcribing Bell Chiming Recordings in Folk Music Archives

Matija Marolt, University of Ljubljana, Slovenia

10.30 - 11

An Integrated Analysis of Flamenco Music

Paco Gomez, Polytechnic University of Madrid, Spain

11 - 11.30 Coffee and cake

Session 5: Musics from further away

Chair: Paco Gomez

11.30 - 12

Violin Expression in (Mexican) Huasteco Music

Rafael Ramirez, Pompeu Fabra University, Spain

12 - 12.30

Tarsos - Automated Tone Scale Extraction Applied to African Oral Music Traditions

Joren Six and Olmo Cornelis, University College Ghent, Belgium

12.30 - 3 Lunch

Session 6: Returning home

Chair: Matija Marolt

3 - 3.30

Modeling the Formulaic Structure of Modern Greek Church Chant Using Convolutional Neural Networks

Panayotis Mavromatis (New York University, USA)

3.30 - 4.30 Discussion of Day 2: Summary of the workshop, and ideas for future collaboration

Chairs: Iannis Zannos, Christina Anagnostopoulou

4.30 onwards: Informal discussions and visit to the Ancient sites