

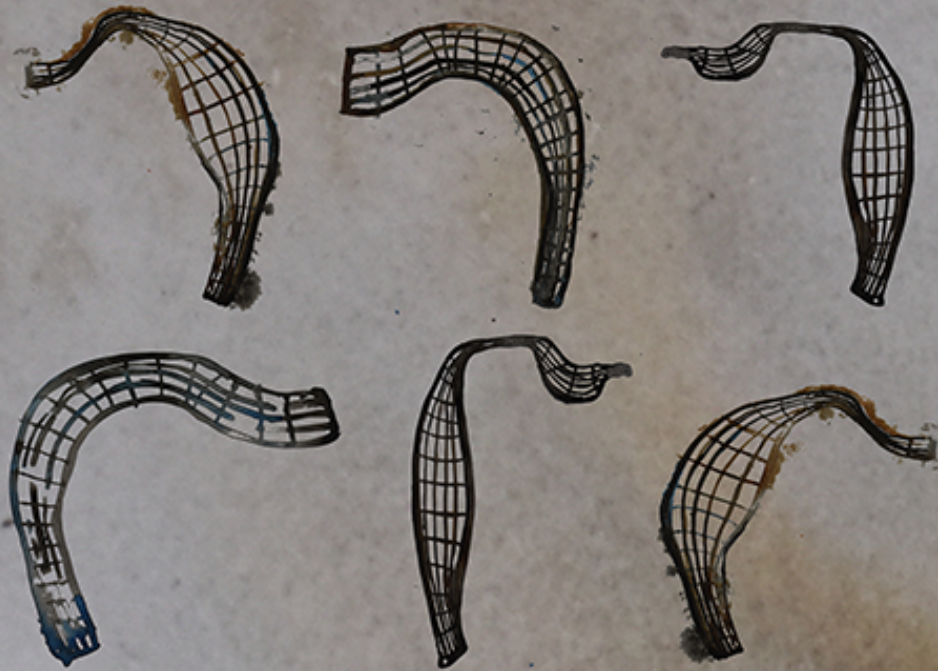


HELLENIC REPUBLIC
National and Kapodistrian
University of Athens



Workshop on the Analysis-Synthesis of the Singing Voice

14-15 December 2022



artwork : Eleanna Martinou

Amphitheater Drakopoulos, University of Athens
Main Building, Panepistimiou 30

Organised by :
the Laboratory of Music Acoustics and Technology, LabMAT
Music Department, NKUA

Supported by :
the ASMA Project (asma.music.uoa.gr)



H.F.R.I.
Hellenic Foundation for
Research & Innovation

Wednesday, December 14th

09.30 Welcome greetings, Coffee

09.45 Prof. Johan Sundberg (KTH, Se)

Timbre contributions and control of the glottal air flow, the raw material of the voice

10.30 Prof. Claudia Manfredi (UniFI, It)

Study of the singing voice with objective techniques: its usefulness and limits

11.00 Prof. Malte Dr. Kob (University of Vienna, AU)

Chances and limitations of acoustic voice analysis methods

11.30 Coffee Break

12.00 Axel Hanswilm Dr. Röbel (IRCAM, Fr).

Deep Learning Algorithms for Analysis and Transformation of Singing Style

12.30 Prof Graham Welch (UCL, UK)

Visual feedback Technologies for singing assistance (online)

13.00 Prof Henrich Nathalie (GIPSA-lab, Grenoble, Fr)

(online)

13.30 Round table:

Current trends on the analysis/synthesis of the singing voice in vocal pedagogy

14.30 Lunch Break

15.30 Visit at the Dionysos theater and the Museum of Acropolis

16.45 Coffee break

Labmat, NKUA

17.00 Workshop

LabMAT, NKUA

19.00 Cocktail Bar / Finger food

Thursday, December 15th

09.30 – 10:00 *Medicine in singing performance*

Prof.Thanos Bibas (School of Medicine, NKUA)

Prof.Stelios Papathanassiou (University of Patras)

10.30 - 11.30 *Singing voice and AI*

Prof. Vassilis Katsouros (ILSP, Athena Institute)

Dr. Maximos Kaliakatsos (ILSP, Athena Institute)

11.30 Coffee Break

12.00 Prof Anastasia Georgaki (NKUA)

The ASMA Project for assisting vocal pedagogy in the classroom

12.15 – 12.45 Jacob Steinhauer, Evangelos Angelakis, Sofia Stavropoulou, Kostas Katsantonis

Teachers's Guidebook -Aesthetics-Somatosensory Learning and Singing Cognition

12.45 – 13.45 Areti Andreopoulou, Natalia Kotsani, Giorgos Dedousis

The ASMA toolkit box

13.45 ASMA Tools Demonstration & Discussion

14.30 Lunch Break

15.30 Sound Walk at the Ancient agora and Kerameikos cemetery

16.45 Coffee break

Labmat, NKUA

17.00 Workshop

LabMAT, NKUA

19.00 Cocktail Bar / Finger food