

See discussions, stats, and author profiles for this publication at: <https://www.researchgate.net/publication/330400392>

Cross-Cultural Audiences and Their Perceptions of Music in a Biological Context: Transforming “Music Within” Art Installation into a Cross-Cultural Interface

Conference Paper · April 2019

CITATIONS

0

READS

121

3 authors, including:



Elif Bozlak

Middle East Technical University

3 PUBLICATIONS 16 CITATIONS

[SEE PROFILE](#)



Elif Surer

Middle East Technical University

50 PUBLICATIONS 74 CITATIONS

[SEE PROFILE](#)

Some of the authors of this publication are also working on these related projects:



Cognitive and Physical Training of Children with Down Syndrome Using Video Games [View project](#)



eNOTICE [View project](#)

Uluslararası Müzik ve Bilimler Sempozyumu 17-19 Nisan 2019

*International Music and Sciences Symposium
April 17-19, 2019*

BİLDİRİ ÖZETLERİ ABSTRACTS





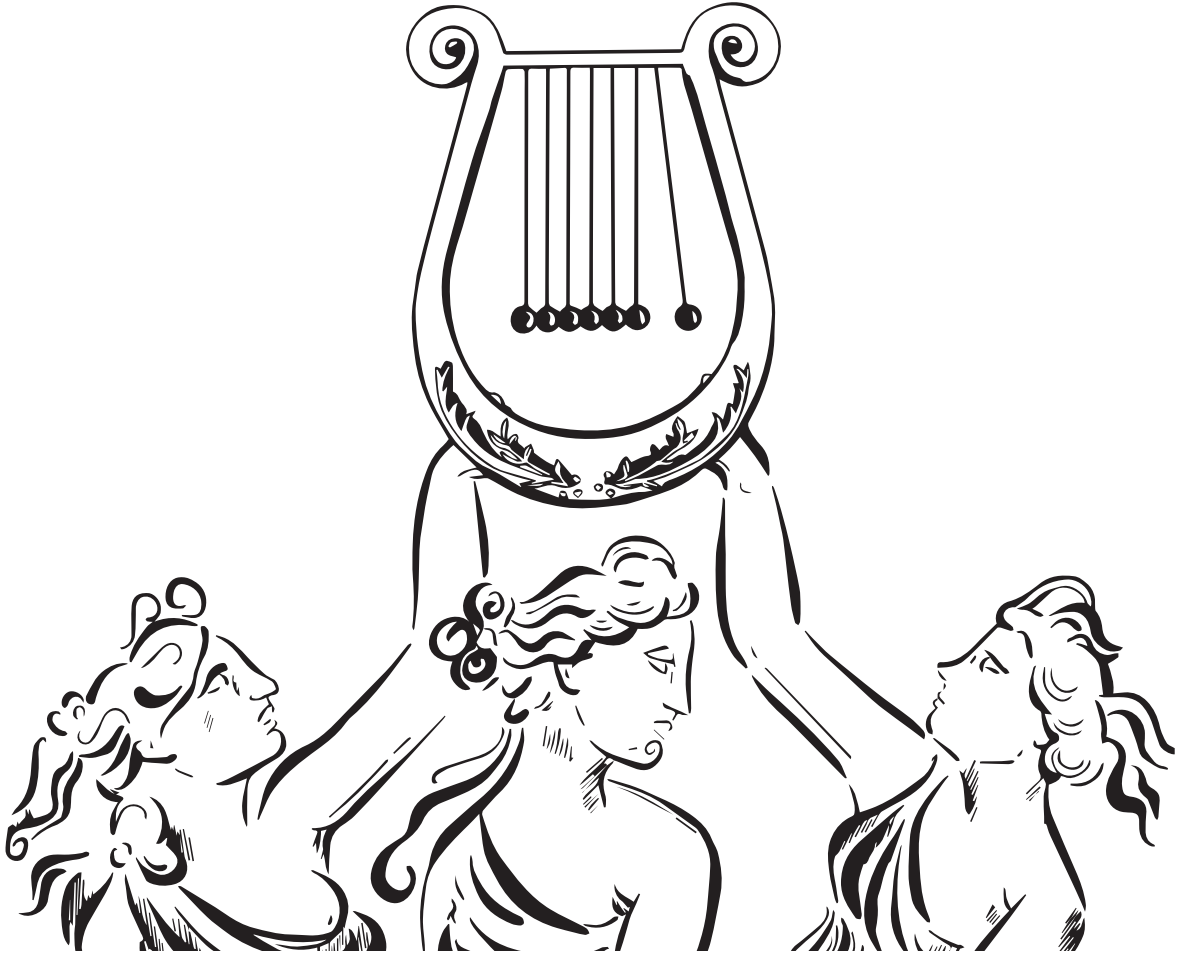
İSTANBUL TEKNİK ÜNİVERSİTESİ
TÜRK MÜZİKLERİ DEVLET KONSERVATUARI
MÜZİKOLOJİ BÖLÜMÜ



Uluslararası Müzik ve Bilimler Sempozyumu 17-19 Nisan 2019

International Music and Sciences Symposium
April 17-19, 2019

BİLDİRİ ÖZETLERİ
ABSTRACTS





CROSS-CULTURAL AUDIENCES AND THEIR PERCEPTIONS OF MUSIC IN A BIOLOGICAL CONTEXT: "MUSIC WITHIN" ART INSTALLATION

Elif BOZLAK¹, Aybar Can ACAR², Elif SÜRER³

How individuals interpret music, how they interact with different music genres and how they feel about music excerpts from other cultures, are highly complex research questions. Culture, personal background, and familiarity are some of the factors that can predict the quality of that interaction. In this study, we aim to modify and adapt our art installation "Music Within" so that people from different cultures and different demographics can interact with the installation and rate its quality. Our project "Music Within" tries to provide a clear understanding to the scientific term "mutation" which randomly occurs in the lineages. Music and LED signals that are produced from mutation positions on the genomes of 5 different individuals are combined in an installation. Previously, the project was exhibited to audiences during Bang Prix 2018 [1] and METU Informatics Institute Open Research Day events and in METU Development Foundation Schools in which audiences with diverse age groups and backgrounds interacted with the Music Within. Opinions of volunteer participants were evaluated by usability tests and open-form questionnaires [2]. In the updated version, music –using the direction information of the mutations alongside their genomic positions– will be created. The new data will be used in order to create new LED signals. The updated installation will be demonstrated to audiences from different countries and cultures so that the reactions of cross-cultural audiences and their perception of music in a biological context, will be analyzed.

References:

[1] bang. Art Innovation Prix by ArtBizTech (2017, April) *Elif Bozlak, İçindeki Müzik, 2018*, Retrieved from <http://www.bangprix.org/elif-bozlak-icindeki-muzik/>.

[2] Bozlak, E., Acar, A.C. and Surer, E., 2018, November. *Design and Evaluation of an Interactive Art Installation to Introduce 'de novo' Mutations to Different Audiences: Music Within Project*. In Proceedings of the 4th EAI International Conference on Smart Objects and Technologies for Social Good (pp. 82-87). ACM.

1 Graduate School of Informatics, Middle East Technical University. bozlak.elif@metu.edu.tr

2 Graduate School of Informatics, Middle East Technical University. acar@metu.edu.tr

3 Graduate School of Informatics, Middle East Technical University. elifs@metu.edu.tr