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بسم الله الرحمن الرحيم

مركز الشبكات وتكنولوجيا المعلومات

قسم التوثيق الإلكتروني



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جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم

قسم

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على هذه الأقراص المدمجة قد أعدت دون أية تغييرات





Cairo University



**ASSESSING AND CHARACTERIZING THE SOUNDSCAPE IN URBAN
PARKS: VIRTUAL SOUNDWALK APPROACH TO ASSESS THE IMPACT OF
SOUNDSCAPE ON PERCEPTION AND WELLBEING**

By

Miram Ali Abdel Hafiz Ali

A Thesis Submitted to the
Faculty of Engineering at Cairo University
in Partial Fulfillment of the
Requirements for the Degree of
DOCTOR OF PHILOSOPHY
in
Architectural Engineering

FACULTY OF ENGINEERING, CAIRO UNIVERSITY
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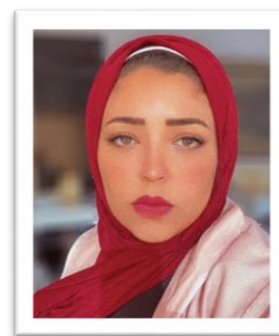
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ASSESSING AND CHARACTERIZING THE SOUNDSCAPE IN URBAN PARKS: VIRTUAL
SOUNDWALK APPROACH TO ASSESS THE IMPACT OF SOUNDSCAPE ON
PERCEPTION AND WELLBEING

Key Words: (must be 5 words only)

Soundscape.; parks; Soundscape assessment; perception; VR

Summary: (not more than 150 word and the summary must be in the same page)

The auditory and acoustic environment is a relatively unnoticed yet critical component of the urban environment planning. Urbanization's increasing population density and variety of social roles result in a more complicated and healthy environment in which humans dwell. The urban park, as a vital multipurpose service area, is often used as a buffer against urban noise pollution. The evaluation of the acoustic environment of the urban parks may assist park users and planners in gaining a better knowledge of the park environment's health. this study suggests solutions to acoustic environment issues, suggesting ways of merging different methods and tools such as Virtual reality, biofeedback, measurement and soundscape assessment tools to bridge the literature gap, contribute to academia practice and spur a generation of professionalism on design and management of park's acoustic climates.

Disclaimer

I hereby declare that this thesis is my own original work and that no part of it has been submitted for a degree qualification at any other university or institute.

I further declare that I have appropriately acknowledged all sources used and have cited them in the references section.

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Dedication

This work is dedicated to my children, **Eyad** and **Zain**. You have made me stronger, better and more fulfilled than I could have ever imagined.

Acknowledgments

Initial thanks go to “**Allah**” for giving me an opportunity to do my post-graduation. Certainly, this is my long awaited opportunity to express my gratitude towards all you wonderful people who have, in one way or another, supported me in my work with this thesis. In particular I would like to express my sincere gratitude to the following :

First of all I would like to express my highly grateful to my supervisor **Prof. Dr. Hisham Sherif Gabr** for allowing me to do research work under his guidance, patience, support and inspiration, collaboration and friendship in research over several years. For the enormous amount of work, time, energy and support. He has put in along with his responsibilities and for his resolve and inspiring attitude that most things can be solved. I was impressed by your never ending energy and blessed by your keenness towards your students.

I would like to extend special thanks to **Prof. Dr. Ayman hassan Mahmoud**, for providing me the support and encouragement throughout the work period. Special Thanks for **Dr. Dalia Ahmed Abou Bakr**, who has given much time, effort and knowledge to aid in the completion of this dissertation.

My sincere thanks to all participants for their assistance with the in site and laboratory experiments, I would like to acknowledge their role in the completion of my work.

This dissertation would not have been possible without the help of **Dr. Abdullah Saleh Alshetewi**, The Chief supervisor of Onaizah College for his untiring effort in encouraging the teaching staff to pursue professional growth.

Special gratitude to my family, my husband, for all of the love, support, encouragement and prayers they have sent my way along this journey. To my parents, brothers and sisters, Your unconditional love and support has meant the world to me, I hope that i have made you proud.

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