

## **Education**

### **Doctoral of Musical Arts (Composition)**

Arizona State University (fall 2000 spring 2005)

Dissertation project: *SCARS*: interactive multi-media performance and installation.

Dissertation paper: *Excitation and Resonance: Technological, Socio-cultural, and Compositional Correlation in Scars*. Supervisor and Chair: Dr. Glenn Hackbarth

### **Doctoral Studies toward Ph.D. (Theory and Composition.)**

Helwan University, (1998-99, Cairo, Egypt.)

Completion of the doctoral course work and passing the final exams.

### **Master of Arts with concentration (Theory and Composition.)**

Helwan University (1998)

Master thesis: *Analytical Study of Program Music in Refat Grannas Symphonic Poems*.

The study consists of the following chapters:

Introduction, History of program music, Influence of extra-musical elements on the compositional process, Introduction to nationalism in Egyptian contemporary music, Bibliography and works of Refat Granna, Analytical study of chosen sample (3 Symphonic Poems), and the Results of the study. Supervisor and Chair: Dr. A. Abdel Kareem (former Dean of School of Music, Helwan University)

### **Graduate Studies in Theory**

Cairo Conservatory (1994-95, Giza, Egypt)

Three semesters in the musicology program with concentration on music theory.

### **Bachelor of Music Education**

Helwan University (1994)

Main concentration was in Piano, Bassoon, Western and Arabic Music Theory and history, and Music Education. Elective courses in Violin and Voice.

## **Principle Teachers:**

### **Music Composition:**

Glenn Hackbarth (Arizona State University ASU), Jody Rockmaker (ASU), and Rodney Rogers (ASU). Mohammed Abd El Wahab (Cairo Conservatory.)

### **Interactive Sound Design:**

Glenn Hackbarth, David Birchfield & Todd Ingalls (ASU)

## **Teaching Experiences:**

### **Lecturer (Tenure Track)**

Department of Theory & Composition

School of Music (Faculty of Music Education)

Helwan University 1994 Present,

Cairo, Egypt. (Currently on Leave of Absence)

**1996-1999:** History and Analysis of 19th century and early 20th century music.

Advanced course

in the Undergraduate level. Co-teach with Dr. R. Tomom

**1995-2000:** Instrumentation and Orchestration: undergraduate course.

**1994-2000:** Harmony and Applied Harmony: undergraduate courses.

**1994-1996:** Music Survey & Introduction to Form Analysis: undergraduate level.

**1994-1998:** Ancient Music History: undergraduate level. Co-teach with Dr. F. El

Sanafawi

and Dr. H. Saha

**1994-1998:** History of Baroque and Classical Music: Undergraduate level. Co-teach with Dr. F. El Sanafawi

**1994-1999:** Studio and Group Piano: undergraduate level.

**1994-1999:** Bassoon studio: undergraduate level.

### **Graduate Teaching Assistant**

School of Music

Arizona State University (2004-05)

Freshman Theory: supervisor: Dr. R. Shinn

### **Teaching Internships**

1992-1994:

1992-93, Music Appreciation: School of Music Amateur Program, Cairo, Egypt,

Violin: group class in El-Ahram Junior High School summer program, Giza, Egypt, summer 1990.

Music: Elementary and Junior high School students, Girls' College, El Zmalek, Cairo, Egypt, 1992-1994.

### **Research Experiences:**

#### **Graduate Research Assistant**

Arts, Media, and Engineering Program

Arizona State University (2004-05)

Supervisor: David Birchfield

Designing immersive soundscape for the multi-model user-interactive project  
Situated Multimodal Communication and Interaction within the integration of acoustic ecology and program music models.

#### **Graduate Research Assistant**

Arts, Media, and Engineering Program

Arizona State University (2002-03)

Supervisor: Todd Ingalls

Implementing interactive programming of the following multi-media projects:

A Certain Release: Using Markov chain in Max/Msp programming. Collaboration with Senior Lecturer Performance/ *Jeff McMahon*.

IMYR: sensing and designing the video interface that recalls the music files in Max/Msp/Jitter. Collaboration with Assistant Professor/ *Lance Gravari*, Performance/Theory.

### **Commercial Software Development:**

ASU software factory ( <http://sf.asu.edu/index.html> )

Winter2004 - Spring 2005

Supervisor: Steven Gordon

Implementing interactive generative midi feedback for navigation commercial web databases.

### **Arts and Technology Skills:**

#### **Interactive Media:**

MAX/MSP/Jitter, CSOUND, Protools, Finalcut-pro, QuickTime-pro & Onadime Composer.

#### **Music Notation and MIDI:**

Sibelius & Studio pro vision.

#### **Web Development:**

DreamWeaver, Phtoshop & Mysql.

#### **Platforms/Hardware:**

Macintosh, PC, Digital Mixing Boards, Kurzweil & Wavestation synthesizers.

### **List of Publications & Performances:**

#### **Generative Soundscapes for Experiential Communication:**

A paper submitted to the 2005 Seamus conference, Ball State University, Muncie, Indiana

(April 14 - 16) By: David Birchfield, Hari Sundram, and Nahla Mattar.

#### **Concept Based website navigation using a Tangible User Interface:**

A paper published on the internet: ([http://66.102.7.104/search?q=cache:k\\_62r7nUQ04J:ame2.asu.edu/faculty/hs/pubs/ame-tr-2004-15.pdf+%22+Nahla+Mattar%22&hl=en&client=safari](http://66.102.7.104/search?q=cache:k_62r7nUQ04J:ame2.asu.edu/faculty/hs/pubs/ame-tr-2004-15.pdf+%22+Nahla+Mattar%22&hl=en&client=safari))

By: Shreesharsh Kellar, Harini Sridharan David Birchfield, Hari Sundram, and Nahla Mattar.

#### **Eyes of the Is:**

1. A five days performance at the ASU *Herberger Mainstage New Danceworks II* concert.
2. DVD presentation at the 3rd International Symposium of Interactive Media Design January 5 - 7, 2005 Istanbul, Turkey.

#### **Piano:**

Performing solo works in School of Music Annual concerts in Cairo Opera House, and chamber music works in conferences & cultural centers, Cairo, Egypt, 1990 - 2000.

#### **Bassoon:**

Performing solo works in School of Music Annual concerts in Cairo Opera House, and chamber music and wind orchestra works in conferences Cairo, Egypt, 1990 - 1994, in the summer peace festival in Berlin, Germany 1994, & in the exchange youth program in Linz, Austria, fall 1994.

#### **"Refat Granna":**

articles in the second volume of the national book project " Contemporary Egyptian Music Composition." Commissioned by the prism committee in the culture ministry in Cairo.

2003: The article introduces the contemporary Egyptian composer " Granna" through historical and analytical study of his life and his program music pieces to the non -specialized reader.

#### **Art as an Incarnation to Life: Tolstoy & Beethoven:**

An article was published in Egyptian musical journal: Afaq, the Supreme Council of Culture, 2000: The article discuss some of the similarities in both Tolostoy and Beethovens structure. The study is influenced by Jungian analysis that helps understanding some of the socio-cultural and psychological aspects in both works: *Ana Karenina* and The first movement in *Symphony no. 5*.

### **Awards, Commissions, Workshops and Memberships:**

#### **Awards:**

Multi-cultural Student program grant (CDC funding), ASU, spring 2005.

Kieckhefer Dissertation Research Award: College of Fine Arts, ASU, fall 2003.

Composition Recognition Award: The Supreme Council of Culture, Egypt, fall 2000.

#### **Commissions:**

Ma BohĒme: Swiss commission, Aug. 2002.

A Passer By ii: KRUST<sub>i</sub> new music and dance ensemble commission, ASU, spring 2002

Inhabitation: A dance commission, spring, ASU, 2002.

Interior Strain : A dance commission, ASU, fall 2001.

#### **Workshops:**

SWIPT: A Summer Workshop in Performance Telematics, AME & Dance Department, ASU, 2001.

Electro-acoustic Music I & II: workshops offered by the Austrian composer: Diter kaufmann, Egypt, fall 1995 & fall 1999.

#### **Memberships:**

American Composers Forum, College Music Society, Society for Electro-Acoustic Music in the United States (SEAMUS), and International Alliance for Women In Music IAWM.

### **Administration & Production:**

#### **Editing:**

Responsible for arranging and translating the *Musical News* and *Recent Publications* sections in the Music Journal Afaq, Supreme Council of Culture, Cairo, Egypt, 1998-2000.

#### **Concerts:**

Assistant producer in the *Arizona Contemporary Music Ensemble*, Phoenix, AZ, 2003-2004.

Producer of the first School of Music composition concert, Cairo, Egypt, 1997.

#### **Computer Lab Assistant:**

School of Music & Dance department, ASU 2001-2002.

### **Languages:**

**English and Arabic**: speaking, reading, and writing.

**German**: reading.



