

<b>Name:</b>	Prof. Dr. Mostafa Refat Ahmed Ismail B.Arch, PhD, IOA, ASE, A+
<b>Employment:</b>	<ul style="list-style-type: none"> <li>• Vice-Director CHEP, Credit Hours Engineering Programs Faculty of Engineering, Architecture Dept. University of Ain Shams, Cairo Egypt</li> <li>• Unit Head Environmental Architecture and Urbanism Program. University of Ain Shams, Cairo Egypt</li> <li>• Professor at Faculty of Engineering, Architecture Dept. University of Ain Shams, Cairo Egypt</li> </ul>
<b>Past Employment:</b>	<ul style="list-style-type: none"> <li>• Programme Director at the School of Architecture British University in Egypt</li> <li>• Minister Advisor and Head of Technical Affairs, NEW URBAN COMMUNITIES AUTHORITY NUCA</li> <li>• RA, School of Architecture and Building Engineering [ARU] University of Liverpool, UK</li> <li>• Lecturer at the University of Liverpool [School of Architecture, and Continuing Education]</li> </ul>
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## QUALIFICATIONS

<b>PhD</b>	Environmental Design, School of Architecture and Build. Eng. University of Liverpool
<b>MSc</b>	Prerequisites (1995), University of Ain Shams, Egypt.
<b>B.Arch</b>	(1994), University of Ain Shams, Egypt. (1st of Class, and 1st Prize nationally for the Design of the Graduation Project).

## PROFESSIONAL EDUCATION

### 2010→2015:

Professor of Building Science

### 2005→2010:

Associate Professor of building Science

### 1998→2003:

Ph.D. UNIVERSITY OF LIVERPOOL.

- The main objective of my study was to develop a simplified theory that should provide an objective basis for town planning and traffic plans; set objectives for noise reduction; and provide a basis for the assessment of specific developments with respect to sustainability of the built environment.
- I have also carried out a range of computer-based modelling during my academic career, including:
  - Using commercially wide known software packages, as an example, **RAYNOISE**, **INTERNOISE**, **MITHRA**, **ECOTECT**, **HEVACOMP** and **CADNA** ...etc.
  - Application of **Image Source modelling**, in the case of single street channels and overhead flying aircrafts.
  - Application of **Ray-tracing**;
  - Application of **Random Scattering** Process.
  - Quantitative and qualitative analysis.
  - Developing a **Radiosity** theory mainly implemented in the field of Heat transfer and Image synthesis, to model the transfer of sound energy during outdoor propagation.
  - This work has resulted in several publications, listed below.
- Undertaking a Ph.D. involved a responsible and professional attitude, including the ability to prioritise and organise a workload, and set and achieve targets.

- It was necessary to be able to work productively whilst under pressure. Excellent oral and written communication skills, and the ability to deal effectively with a diverse range of people, were also essential attributes.
- During my PhD I obtained the following certificates:

**June 2001:**

Certificate of Competence in Environmental Noise Measurement of the Institute of Acoustics, **England.**

**October 1998:**

Certificate of Competence in Workplace Noise Assessment of the Institute of Acoustics, **England.**

**May 1996:**

Prerequisite Courses for M.Sc in Architectural Engineering, Ain Shams University, Cairo, **Egypt.**

**1989-1994:**

Bachelors Degree in Architecture Engineering, Ain Shams University, **June 1994** with general Grade **“Very Good with Honour Degree” [first of class]**

My graduation project was a competition among all the graduates nation wide, where my design achieved the first prize and I have been honoured to receive a prize from the Minister of Construction and new Developments.

And appreciation certificates for the design of the "Technology Valley", from:

- Egyptian engineering syndicate
- Architectural engineering society, for the participation in the annual fair held in 1994
- Information Decision and Support Centre [IDSC] at the ministry of presidency.
- First prize for the project.

**1989:**

GCE, London University, **1989**

**1979-1988:**

German School in Egypt [Deutsche Evangelische Oberschule **DEO**]

## **RELATED ACADEMIC AND EVALUATION ACTIVITIES**

- Reviewer for the following International Journals:
  - Building Acoustics
  - ACTA ACUSTICA
  - Frontiers of Architecture Research
  - Journal of Architectural Engineering Technology JAET
  - World Review of Science, Technology and Sustainable Development
  - The International Journal of Science and Technology
  - Smart and Sustainable Built Environment-Emerald
- Editorial Board of: The International Journal of Science and Technology.  
*Ethics Publication*  
*NS Marg, DaryaGanj*  
*New Delhi, India-110002*
- Preparing the Architecture Engineering Annual Program Review as well as the Department action plan for validation purposes. At the British University in Egypt, submitted to Loughborough University.
- Program and Module Board documentation Coordinator at the British University in Egypt, meeting with Loughborough University.
- External Examiners Report Review scheduling at the British University in Egypt.
- 2009- present member of teaching and Learning committee at the British University in Egypt.
- 2009- present member of Faculty Community Services Committee at the British University in Egypt.
- 2009- present member of Library Development committee at the British University in Egypt.
- 2009- present member of the Faculty of Engineering Council at the British University in Egypt.
- 2009- present member of Teaching and Learning committee at the British University in Egypt.
- 2009- present Head of the Campus Developing committee at the British University in Egypt.
- 2009- present Web Site developer for the British University in Egypt.
- June 2008 – April 2009 Team Member for the proposal writing and document preparation for the Continuous Improvement and Quality Assurance Project (CIQAP) to be presented to the Ministry of Higher Education for The Faculty of Engineering Ain Shams University (awarded L.E.16.5million)
- 2008-2009 Member of the Urban Harmony – Technical Committee for “Ramses Square Urban Design Competition”

- 2007-2008 Participated as Department Chair in drafting and preparing program specifications and report in preparation for the preliminary accreditation visit for The Faculty of Engineering Ain Shams University
- 2007-2008 Participated as a member in the preparation and review of the Post graduate Bylaws and course description for post graduate programs for The Faculty of Engineering Ain Shams University
- Organized and took part in the following conferences:
  - ARUP2006-Ain Shams university- Egypt
  - ARUP2008-Ain Shams university- Egypt
  - FISC 2010-British university- Egypt
  - ISCV17-Ain Shams University-Egypt
- Committee Member for evaluating Graduation Projects and Dissertations at the following:
  - AAST-Arab Academy of Science and Technology
  - Ain Shams University
  - MIU- Misr International University
  - MUST-Misr University for Science and Technology
  - MSA University, Cairo, Egypt. in collaboration with Greenwich Univ. in England.
  - British University in Egypt
  - El-Sherouk academy Egypt
  - New Cairo Academy Egypt
  - Al Elbait University – Jordon
- 2000- present Supervised various Ph.D. and Masters defence committees and served as Jury member for various committees

### Lectures and Training Programs

- Egyptian Urban Harmony Codes and Design Guidelines. NUCA Ministry of Housing and Urban Development, Egypt. 2010.
- Urban Noise mitigation strategies. Cairo- Stuttgart, Germany, CIAC Tempus Project- 2009
- Acoustic Regulations and Guidelines in Urban Design. Cairo- Stuttgart, Germany, CIAC Tempus Project- 2009
- Acoustic and the EIA. Cairo- Stuttgart, Germany, CIAC Tempus Project- 2009
- At The British University in Egypt,
  - How to write a Course work Brief.
  - How to Conduct a Research"
  - Time Management
  - How to write Module Specification
  - electronic education
  - technology in teaching,
  - Designing the curriculum
  - Skills of effective presentation
  - communication skills

### HONOURS AND ACTIVITIES

- Appreciation Certificate from the Ministers Council Presidency Information Centre and Support Decision [*IDSC*]. "Technology Developing Program". **1994**.
- Appreciation Certificate from the Architectural Engineering Society, Egypt, **1995**.
- Appreciation Certificate from the architectural Engineering Branch [Engineering Syndicate], **1995**.
- Appreciation Certificate from School of Architecture AIN SHAMS University for effort done at ARUP2006, **2006**.
- Appreciation Certificate from AIN SHAM University for Research Excellency, **2008**.
- Appreciation Certificate from the British University in Egypt, for the honour Prize at the Bergen National Wood Festival Competition, Bergen Norway, 2010.

### SOCIETIES

Member of the:

- *Institute OF Acoustics [IOA], United Kingdom, England.*
- *Egyptian Architectural Engineering Society.*
- *Egyptian Engineering Syndicate.*
- *Egyptian Society of Engineers.*

- *Acoustical Society of Egypt ASE.*
- *Acoustical Society of America ASA.*

### GOVERNMENTAL ORGANIZATIONS

- *Member of the higher scientific committee for developing the code of practice for the Designs of City Entrances. THE NATIONAL ORGANIZATION FOR URBAN HARMONY, Ministry of Culture, EGYPT.*
- *Member of the executive committee of the INTERNATIONAL ARCHITECTURAL AND URBAN PLANNING COMPETITION FOR THE URBAN DESIGN OF RAMSIS SQUARE. THE NATIONAL ORGANIZATION FOR URBAN HARMONY, Ministry of Culture, EGYPT.*

### WORK EXPERIENCE

#### ➤ Architecture

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#### Dec 2006-to Date:

- Design of the institute of computer studies-El Sherouk city-Egypt. Ministry of higher Education. 2007
- Design of the institute of computer studies-Quesna city. Menoufia-Egypt. Ministry of higher Education 2007
- The strategic regional planning for the year 2020 development vision for Egyptian villages 2007
  - El Sharkia Govern ate
  - El Beheira Govern ate
- The strategic planning for Egyptian villages and future development reports. 2007
  - El Sharkia Govern ate
  - El Beheira Govern ate
- Acoustic Design of the main Auditorium **Lycee Balzac** School. New Cairo-EGYPT 2007.
- Acoustic Design of **Crystal Asfour** new factory layouts, and management of working environment 2007. with CPAS.
- IFC Drawing Economic Mission Building **French Embassy** Elzamalek Cairo, EGYPT. 2007
- Acoustic Design of Main Mosques of **MUDON, Cities of Arabia** project DUBAI, 2008.with CDC.
- Acoustics analysis and design of Main Festival Hall of **King SAUD University**, KSA.2008.
- Acoustic Design of office Building **Smart village**. 6 of October Cairo EGYPT 2008.with ECG.
- Acoustic Reports for Information and Decision Support Centre (**IDSC**), **Prime Ministry of EGYPT**. 2008
- Acoustic Design of Main cinema and conference centre **ASWAN MUSEUM**, Ministry of Water Affairs, EGYPT. 2008.

#### Dec 2001-Dec 2006:

Architect and Industrial Designer

**Urban Engineering** based in Southport, Merseyside, England.

CAD/CAM and Data base management for drawings, involving developing the firms' database using Visual Basic environment. AutoCAD and SolidWorks.

#### Professional practise 1994-2001:

**SABOUR**, EGYPT

- Throughout this period I have been responsible as a Senior Architect in a design team to develop Design concepts for projects under the [BOT] system, with collaboration with **HARZA, Chicago, USA.**
- Involved in major consultancy cases on behalf of authorities, investigating the resulting impact on developing projects in major digested areas.
  - Architecture design for towers and residential villas.
  - Design of city of Nabaq Sinai main gates, and City Council building.
  - Planning for three Beach Resorts in the north Coast of Egypt.
  - Interior Design.
  - Design of multi storey Garages in the Cairo City Centre, and Shopping Malls in Cairo City Centre.

- Designed of the Tax Free area village in Cairo Airport.

**Professional practise 1994-1999:**

- Planning of SADARA Beach Resort in Ras-Sudr, Egypt.
- Design residential luxury towers in El-Maadi, Egypt.
- Many residential villas El-Shourouk, El-Yasmin, and Beverly Hills, New Cairo, Egypt.
- Interior Design of shops and department stores El-Mohandseen, Egypt.

➤ **Academic**

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**2015→to date:**

**Professor** at the School of Architecture AIN SHAMS University

**Teaching experience:**

*Undergraduate:*

- Architectural Design Y4
- Graduation project
- Building Construction & Working Drawings
- Quantity Surveying, and Project Management
- Acoustics and Artificial Lighting
- Value Management in Architectural Design

*Postgraduate:*

- Advanced Acoustics and Environmental Control
- Project Management
- Construction and Commercial Management
- Facility Management
- Soundscape Design
- Aural Architecture

**2009→2015**

**Professor and Programme Director** at the School of Architecture, British University in Egypt.

**Responsibilities**

**1.0 Teaching, Learning and Assessment**

- 1.1 To monitor the sound delivery of the programme, and the maintenance of academic standards and quality, in line with the University's Strategic Plan for Teaching and Learning.
- 1.2 Ensure the eLearning platform is up to date with programme details on the website.
- 1.3 Ensure that all assessments are in accordance with and support the programme aims and objectives.
- 1.4 Ensure timely and appropriate feedback to students on their performance, both in writing and orally.
- 1.5 Ensure that assessments are marked appropriately and entered onto the SRS in a timely and accurate fashion.

**2.0 Student recruitment, progression and support**

- 2.1 Develop and update programme marketing materials, and liaise with the Faculty and University marketing teams, to ensure the programme is marketed appropriately in order to recruit students of the requisite number and standard.
- 2.2 Liaise closely with the Preparatory Year Programme Coordinator to ensure appropriate progression into the programme.
- 2.3 Convene meetings of the Staff Student Liaison Committee in accordance with Faculty Policy.
- 2.4 Contribute to discussions with the Head of Department and programme team about the development of the programme, with particular reference to recruitment, achievement, progression and retention data.
- 2.5 Liaise with Careers Services to support employment opportunities for graduates.
- 2.6 Ensure the development and delivery of student induction programmes and production of programme handbooks for all years.

- 2.7 Monitor and enhance the delivery and development of student support mechanisms including effective personal tutoring for all years.
- 2.8 Liaise closely with the Library to ensure appropriate resourcing for the programme and that information skills, including academic honesty, of students are developed appropriately.
- 2.9 Liaise closely with Head of Student Activities Department to ensure the development and delivery of appropriate extracurricular activities to enhance the student experience.

### **3.0 Programme Administration**

- 3.1 Attend meetings of the Programme Management Team.\*
- 3.2 Contribute to the delivery, review and development of the programme consistent with University Regulations, Policies and Guidelines and in line with the University's Strategic Plan for Teaching and Learning.
- 3.3 Ensure that the delivery of the programme is consistent with Health and Safety requirements.
- 3.4 Ensure appropriate arrangements are in place for field trips and internships.

### **4.0 Quality assurance and programme enhancement**

- 4.1 Contribute to the requirements of the Annual Quality Cycle and ensure they are complied with in a timely manner: Assessment and Exams, APRs, Development Plans, responses to AILR, responses to External Examiners.
- 4.2 Contribute appropriately to the efficient running of the Exam Boards.
- 4.3 Ensure programme records are maintained and are accessible for scrutiny.
- 4.4 Co-ordinate the annual student programme review and any reviews by external auditors involved in accreditation by either external validating bodies or the Supreme Council.
- 4.5 Add to the agenda of Faculty Teaching and Learning Committee items as relevant, as well as progress the decisions of FTLC as relevant.
- 4.6 Contribute to the effective completion of the annual review of the programme via the APR process.
- 4.7 Enhance the ongoing development of the programme through ongoing contact with local employers, businesses and industry via a liaison committee.
- 4.8 As appropriate, achieve and maintain accreditation by UK professional bodies.

#### **2005→to date:**

##### **Visiting Professor at the following Universities:**

- Architecture and Environmental Design, Faculty of Engineering, *Misr International University* (MIU), Cairo, Egypt.
- Department of Architecture, Faculty of Engineering, *October 6 University*, 6th October City, Egypt.
- Department of Architecture, *Modern Academy* Cairo, Egypt.
- Department of Architecture, *Elsherouk Academy* Cairo, Egypt.
- Department of Architecture, *British University in EGYPT-BUE*. Cairo, Egypt.
- Arab Academy for Science, Technology and Maritime Transportation (**AASTMT**), Cairo, Egypt.
- Department of Architecture, Faculty of Engineering, *October University of Modern Sciences and Arts (MSA)*, Giza, Egypt.

#### **2000→2005**

Lecturing at the **School of Architecture and Building Engineering** The University of Liverpool teaching.

- Architecture Design to fourth Year Building Management and Technology.
- Environmental Design Analysis [**ECOTECT**].
- Field Surveying Courses [involved practical demonstrating at sites].
- Computer modelling of Thermal Response of Buildings [Year 2 Architecture] [**HEVACOMP**].

#### **2001→ 2005**

As part time lecturer at the **Centre for Lifelong Learning** (Continuing Education) since September 2002.

<http://www.liv.ac.uk/conted/>

Involved in teaching the following courses:

- Introduction to **Computer Programming**.
- **CAD, 3D-MAX**
- Product Design and **CAM** Computer Aided Manufacturing.
- **CAD/CAM applications**.
- Introduction to **Fortran 90**.
- Introduction to **Visual Basic**.



- Introduction to **Oracle SQL**.
- Web page design using **Adobe Photoshop** and **FrontPage**.

Responsible of developing new courses for the Continuing Education Center. This involves developing the syllabus taught for the students, and to accomplish an easy to follow handout for assisting them during the course. I'm responsible as well of preparing exams and to ensure a correct assessment process for the students. The job involves keeping in touch with the Academic Organizer, and the Course Processor, and to ensure that the Health and Safety policies are implemented with reference Health and Safety of students and public members.

#### **1994→1999:**

As an academic Lecturer at the **School of Architecture and Building Engineering** University of AIN SHAMS, EGYPT:

- I was responsible of teaching Architectural Design to 1<sup>st</sup> year students, 3<sup>rd</sup> year, and final year Graduation Project, Workshop Drawings to 3<sup>rd</sup> and final year.
- I have been responsible as well of preparing and developing the Projects program and prerequisites for the Graduation Project (final year), and for 2nd year Architecture. I took as well part in oral exams and assessment.
- As well as organising students time tables, to achieve targets at required deadlines.

#### **Invited Lectures:**

- Urban Noise mitigation strategies. **Cairo- Stuttgart**, Germany, CIAC Tempus Project- 2009
- Acoustic Regulations and Guidelines in Urban Design. **Cairo- Stuttgart**, Germany, CIAC Tempus Project- 2009
- Acoustic and the EIA. **Cairo- Stuttgart**, Germany, CIAC Tempus Project- 2009
- Design Environmental Simulation. 6 Jan 2004. 11.00-12.00. AVTA. School of Architecture and Building Engineering, **University of Liverpool. UK**
- Environmental Design 11 Jan 2005. 11.30-12.30. AVTA. School of Architecture and Building Engineering, **University of Liverpool. UK**

#### **➤ Governmental Work**

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PRIMARY RESPONSIBILITIES at NEW URBAN COMMUNITIES AUTHORITY **NUCA**

<http://www.urban-comm.gov.eg/>

#### **As General Manager for Technical Affairs department:**

1. Manage the operational activities of the department.
2. Plan and develop systems and procedures to improve the operating quality and efficiency of the department.
3. Analyze and document business processes and problems. Develop solutions to enhance efficiencies.
4. Coordinate and implement solutions from process analysis and general department projects.
5. Direct staff in the development, analysis, and preparation of reports.
6. Supervise staff in accordance with department policies and procedures.
7. Coach and provide career development advice to staff.
8. Establish employee goals and conduct employee performance reviews.
9. Responsible for staff scheduling to include.
10. Assist staff to resolve complex or out of policy operation problems.
11. Coordinate with Human Resources for appropriate staffing levels.
12. Schedule and conduct department meetings.
13. Responsible to meet department productivity and quality goals.
14. Communicate with Supervisors, Managers, and Vice Presidents on Department operations.
15. Assist in reviewing urban plans for projects at New Urban Developments.
16. Supervise Strategic plans projects for New Urban Developments with representatives at GOPP.

## ➤ Research

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### Research Projects:

#### 2003→March 2004:

School of Architecture and Building Engineering. [ARU] The University of Liverpool.

EPSRC Grant Reference: **GR/R46243/01**

Principal Investigator: Professor DJ Oldham

Project Partner: ARUP

Title: **Development of Novel Window Systems for Optimum Acoustic, Ventilation and Daylight Performance.**

Using Finite Element Modelling [**FEM**] and Boundary Element Modelling [**BEM**] models validated by scale model measurements.

#### 2008-2010

CIAC Tempus Project- 2008-10

#### 2014

Research Development and Innovation Programme (**RDI**), Proposals / Innovation Cluster

Titled:

**SD-ALL Sustainable Development Adaptable Lifelong Learning Centre**

## RESEARCH INTERESTS

My research interest in Building Acoustic, Noise transfer and mitigation strategies, Urban Noise modelling, Sonic spaces, Soundscapes as well as Aural Architecture. My interest extends in areas involving Sustainable Design, Energy transfer modelling, Computer Modelling of Building Performance, and Experimental modelling. My particular interest extends in the areas of Sustainable Urban Development, ECO Design, as well as Environmental monitoring.

#### **Research Gate:**

[https://www.researchgate.net/profile/Mostafa\\_Ismail3](https://www.researchgate.net/profile/Mostafa_Ismail3)

#### **Google Scholar:**

<http://scholar.google.com/eg/citations?user=dRgTl7MAAAAJ&hl=en>

#### **Scopus:**

Author ID: **7401908802**

<http://www.scopus.com/authid/detail.url?authorId=7401908802>

## PUBLICATIONS

1. M.R. Ismail. “*The Propagation of Noise through the Urban Fabric*”. Proceeding of the Institute Of Acoustics [**IOA**]. Volume **22** part **2** [1], pp [171-180]. **17-18 April 2000**.
2. M.R Ismail and D.J.Oldham. “*The development of a Pseudo Radiosity method for the investigation of Noise through the urban Fabric*”. International Postgraduate Research conference in Built and Human Environment **15 - 16 March 2001**, Salford.
3. M.R Ismail and D.J.Oldham. “*The Effect of the Urban Fabric on the Noise from Low Flying Aircraft*”. **Journal of Building Acoustics** Volume **9** Number **2**, pp [161-179] **2002**.
4. M.R.Ismail and D.J.Oldham, “*The role of specular and diffuse reflections in urban noise propagation*”, Proceeding of the Institute Of Acoustics [**IOA**]. 25-27 March **2002**. University of Salford.
5. M.R.Ismail and D.J.Oldham, “*A Scale Model Investigation of the Role of Diffuse Reflections from Building Facades on Urban Noise Propagation*”, Research Symposium **Acoustic characteristics of surfaces: measurement, prediction and applications**\*18-19 September **2003**.University of Salford, Manchester, UK.
6. M.R.Ismail and D.J.Oldham, “*Specular and diffuse reflections in noise propagation in city streets*”. 10th International Conference on Sound and Vibration, Stockholm, **2003**.



7. M.R.Ismail and D.J.Oldham, "The effect of the scattering of sound from building facades on urban noise propagation". Proceedings of the Tenth International Congress on Sound and Vibration, pp. 1445-1452, **2003**.
8. M.R. Ismail and D.J.Oldham. "Computer Modelling in Urban Noise Propagation". **Journal of Building Acoustics** Volume **10**, pp [227-259] **2003**.
9. M.R. Ismail and D.J.Oldham. "A Scale Model Investigation of Sound reflection from Building Facades". **Applied Acoustics** Volume **66**, pp [123-147] **2005**.
10. M.R.Ismail and D.J.Oldham, "The effect on sound propagation in streets of the distribution of acoustic scatterers on facades". **Journal of the Acoustical Society of America**, Volume 117, Issue 4, pp. 2417-2417 (2005).
11. M.R.Ismail, 'A Stretched Pseudo Radiosity Method for Noise Propagation through the Urban Fabric' **ARUP2006** 1<sup>st</sup> International Conference. Cairo, EGYPT.
12. A.Khateeb and M.R.Ismail, 'Sounds from the Past the Acoustics of Sultan Hassan Mosque and Madrassa' **Journal of Building Acoustics** Volume **14**, pp [109-132] **2007**.
13. M.R.Ismail. A Reduced to ONE Form Factor for Modelling Noise in Urban Canyons. **ARUP2008** 2<sup>nd</sup> International Conference. Cairo, EGYPT.
14. M.R.Ismail. Source Characteristics as bases for Acoustic Screen Design. **Ain Shams Journal of Architectural Engineering** Volume2, 2009.
15. M.R.Ismail. Egypt Noise Map, towards effective information system. **Ain Shams Journal of Architectural Engineering** Volume2, 2009.
16. M.R.Ismail. The effect of building density and size on the propagation of sound through the urban fabric. **JAUES**. Cairo, EGYPT.
17. M.R.Ismail and D.J.Oldham. A Markovian approach to modelling the propagation of sound in long rooms. **ICSV17**. Cairo 18-22 July 2010, EGYPT.
18. M.R.Ismail. Acoustics Hotel Design criteria and challenges in EGYPT. **FISC**, 23-25 November 2010, **Cairo, Egypt**.
19. W.Elshamy, A.Farouk, M.R.Ismail, Evaluation of BOT Airports in Egypt, **1st International Civil Aviation Symposium ICAS**, 26-28 November 2011.
20. M. R. Ismail. A parametric investigation of the acoustical performance of contemporary mosques. **Journal of Frontiers of Architectural Research**. *Elsevier* (2013) 2, 30–41.
21. M. R. Ismail. Quiet Environment: Acoustics of Vertical Green Wall Systems of the Islamic Urban Form, **Journal of Frontiers of Architectural Research**, *Elsevier* (2013) 2, 162–177.
22. M. R. Ismail. Sound Preferences of the Dense Urban Environment: The Soundscape of Cairo. **Journal of Frontiers of Architectural Research**, *Elsevier* (2014) 3, 55–68.
23. M. R. Ismail. A Parametric Study of the Effect of Building Distributions and Size on the Propagation of Sound in the Urban Environment, **J Archit Eng Tech** **2014**, 3:1
24. M. R. Ismail and H. Eldaly. Origamic Forms: A New Realm in improving Acoustical Environment Origamic. **ARCHDESIGN '14**, 8-12May 2014, **Istanbul, Turkey**.
25. M. R. Ismail. Soniferous Architecture from Archaeo-acoustics towards the Soundsculpture Aural era. In press. **International Journal of Art, Culture and Design Technologies**, **4(1)**, 44-64, **January-June 2014**
26. M. R. Ismail and H. Eldaly. The Acoustics of the Mevlevi Sama'Khana. Accepted for publication at **IP2014. 18–20 July 2014, Viseu, Portugal**. <http://invisibleplaces.org/>
27. M. R. Ismail and Y.Eisa. Cairo, a possible Aural Comfort: Factors effecting the Cairene perception of Soundscape. Accepted for publication at **IP2014. 18–20 July 2014, Viseu, Portugal**. <http://invisibleplaces.org/>
28. M. R. Ismail and H. Eldaly. Acoustics Oribotics: The Sonic impact of Heterogeneous parigamic shapes. **International Journal of 3-D Information Modeling**, **3(2)**, 55-69, April-June 2014
29. M. R. Ismail. The Acoustic of Monolithic Dome Structures. *Under review*
30. N.M.Mohsen, R.Morcos, K.M. Dewidar, M.R.Ismail. The Engineering Principles of Biological Forms vs. Classical Architectural Engineering. **Engineering Research Journal - Faculty of Engineering (Shoubra)**, 2015.
31. S.Eltarabily, A. Elmokadem, and M.R.Ismail. Analysis of residential facade patterns from Acoustic viewpoint. **Port Said Engineering Journal**. **20(1)**. March 2016.
32. S.Eltarabily, A. Elmokadem, and M.R.Ismail. Effect of Façade's segments formation on Noise propagation in Urban Streets. **Port Said Engineering Journal**. **20(2)**. September 2016.

### Books & Book Chapters

- **M. R. Ismail**. Adaptable Theories for modeling Urban Noise Propagation. **Urban Noise Propagation**. LAP Lambert Academic Publishing (2013-02-25).

*ISBN-13:*  
978-3-659-35534-9  
*ISBN-10:*  
3659355348  
*EAN:*  
9783659355349  
*Book language:*  
*English*

I have presented the above publications in seminar or lecture format at university departmental, and national and international conference levels. This involved defending my work before specialised audiences of acoustics experts, and required excellent oral and written communication skills and the ability to present and argue a strong case.

## **SKILLS PROFILE**

### **COMMUNICATION:**

- Good communication skills including tact and diplomacy with people, developed during chairing meetings as a Head Architect of Design team.
- Team working has involved different roles, which developed negotiation and persuasive skills.
- The ability to present and argue a strong case, during presentations.

### **TEAM WORK:**

- Successful project work was dependant upon participation and motivation of syndicated project groups.
- Experience of working within a team-based culture involved compromise, commitment, planning, organisation and time management.

### **PROBLEM SOLVING:**

- Development of strong analytic and diagnostic skills as part of degree course.
- Running a Design team during my work as an Architect Designer taught me to remain calm and efficient and find solutions to problems.

### **LANGUAGE:**

- English (spoken and written)
- German (fair spoken and written)
- Arabic (mother language)

### **Other Skills And Interests:**

#### **Computing skills**

I am computer literate and have used computers extensively for more than 20 years, [and have some initial knowledge on handling and dealing with hardware problems]. I have a working knowledge of P.C. (Windows NT/2000/XP), Unix and Apple Mac based-systems, and I am competent in the use of Microsoft Office packages such as Word, Excel and PowerPoint, email and the Internet. I am also a competent **MATLAB**, **Visual Basic**, and **Fortran** programmer and familiar with **PATRAN/RAYNOISE**, **INTERNOISE**, **MITHRA**, **CADNA**, **ECOTECT**, and **HEVACOMP** a most software packages used for Sound propagation modelling, and **CAD** systems.

**Music** I am an accomplished pianist and have played in several bands over the last ten years.

**Other activities** I enjoy swimming, photography and image handling, as well as video editing.