

Assistant Prof. Dr. Munther Diyab Ibrahim

Civil Engineering Department, An-Najah National University, Nablus, Palestine
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CURRENT POSITION

Assistant Professor, Civil Engineering Department, An-Najah National University, 2011 – Present

ACADEMIC QUALIFICATION

Ph.D., August 1999 (CGPA = 3.85/4.00)

Civil Engineering

Eastern Mediterranean University

Field of Study: Stability of Non-Linear Dynamical Structural Systems

Dissertation: On The Effect of Harmonic Excitation on Static and Dynamic Bifurcations

Minor areas: Structure analysis and design, Vibrations and Stability Of Structural Systems Under Non-Conservative Non-Autonomous Forces.

M.S., August 1994 (CGPA = 3.82/4.00)

Civil Engineering

Eastern Mediterranean University

Field of Study: Structural Analysis

Thesis: Matrix Structural Analysis of Three Dimensional Frame

B.S., July 1992 (CGPA = 3.68/4.00)

Civil Engineering

Eastern Mediterranean University

Field of Study: Water resources, Structure analysis and design

2 years Community College Diploma 1987 (CGPA = 82.4/100, Shamel exam)

Civil Engineering

Qalandia Community College.

Field of Study: Construction Site Inspector.

WORK EXPERIENCE

September 2010 – up to date *Assistant Professor*, Department of Civil Engineering, An-Najah National University Nablus, Palestine

September 1999 – 2010 *Assistant Professor*, Department of Architecture, EMU

September 1992 - June 1999: *Research and Teaching Assistant*, Department of Civil Eng., EMU

31/07/2007-04/10/10 Chair of architecture department, (EMU).

15/01/2004-30/06/2007 Vice chair of architecture department, (EMU)

PROFESSIONAL, AND OTHER ACADEMIC ACTIVITES

- 1)** **Appointment** as chair of architecture department since 31/07/2007-04/10/10 (EMU).
- 2)** **Appointment** as a Vice chair of architecture department since 15/01/2004-30/06/2007 (EMU)
- 3)** Assigned as an Acting chair of the architecture department (2/8/2004-31/8/04)(EMU).
- 4)** Assigned as an Acting chair of the Interior architecture department (2/8/2004-3/9/04)(EMU).
- 5)** Assigned as an Acting Dean of the architecture Faculty (29/7/2004-22/8/04) (EMU).
- 6)** Representative of the Architecture Faculty in the University Budget Committee (EMU).
- 7)** Coordinator of the Summer Training Committee in the department of Architecture since 1999-2010 (EMU).
- 8)** Chair of the Graduation Committee in the department of Architecture (EMU).
- 9)** A member of Lab & Instruments Committee in the Architecture Department (EMU).
- 10)** A member of Department of Architecture and Faculty of Architecture Activity Committee (EMU).
- 11)** Assigned as a jury member (Structural) for the graduation project (ARCH 402) in the faculty of Architecture (EMU).
- 12)** Coordinator of the accreditation Committee in the department of Architecture for international accreditation (MIAK, NAAB) (EMU)
- 13)** Assigned as recruitment member to represent EMU in Nigeria Jordan Palestine (2006-2010).
- 14)** Assigned as the civil engineer of BAFRA project that has been done by Tasar Center in the architecture Faculty (2006-2008)(EMU).

Project Done

- 1) Civil engineer of BAFRA project (2006-2008), the project cost nearly 1,500,000\$ including restaurant design, concrete as well as steel design, bridge design over sea water, many shops and tower.
- 2) More than 5 complex villas (reinforced concrete design)
- 3) More than 10 Apartments (4 to 13 floors) (Reinforced Concrete design)
- 4) Gas Station (Steel Design)
- 5) A Wide Span 5 stars Hotel Hall (80mx80m) Steel design with all details.
- 6) More than 3 Projects (extension of existing Reinforced Concrete building)

COMPUTER SKILLS

- Sap 2000 Structure software
- ETABS Structural Software
- SAFE Structural Software
- Computer Aided Design and Drafting (e.g., AutoCAD)
- MS Office

COURSES TAUGHT:

September 2011 – up to date *Assistant Professor*, Department of Civil Engineering, An-Najah Notional University Nablus, Palestine

Duties: taught the following courses:

(Statics), (Engineering Mechanics), (Mechanics of Material), (Structural Analysis I), (Structural Analysis II), (Structure Analysis III), (Computer Application in Civil Engineering), (Graduation Project) (Reinforced Concrete I), (Introduction to Civil Engineering)

(Advance Matrix Analysis) Master level

(Advance Structural Dynamics) Master level

September 1999 – 2011 *Assistant Professor*, Department of Architecture, EMU

Duties: taught the following courses:

ARCH 200 (Surveying I), AECH 300 (Summer Training I), ARCH 231 (Static), ARCH 248 (Building Material), ARCH 232 (Strength of Material), ARCH 236 (Tectonics II), ARCH 331 (Structure analysis), ARCH 332 (Reinforced Concrete), ARCH 334 (Building Economy), ARCH 403 (Architecture Research), ARCH 441 (Construction Management), ARCH 432 (Earthquake for architecture), ARCH 449 (Economic and Managerial Issues in Architecture, ARCH 402 (Graduation design project –Structural advisor-), ARCH 500 (Ms Thesis),

ARCH 502 (Special Study for Master), ARCH 551 (Architecture and Building Economy), ARCH 598 (Presentation Techniques and Seminar), ARCH 600 (Ph.D Thesis), ARCH 602 (Special Study for Ph.D), FARC 142 (Introduction to Technology for Architecture)

September 1992 - June 1999: *Research and Teaching Assistant*, Department of Civil Eng., EMU

Duties: taught, tutored and conducted several laboratories in the department as follows:

- **Courses Taught**

CE 211 (Static), CE 261 (Surveying), ARCH 231 (Static for Architecture)

- **Courses Tutored**

CE 222 (Strength of material I), CE 321 (Strength of material II)

CE 342 (Structure analysis I), CE 441 (Structure analysis II)

CE 471 (Reinforced concrete), CE 474 (Structural Design)

CE 444 (Steel design), CE 443 (Advance Structure Analysis)

CE 212 (Dynamics), CE 473 (Introduction to structural dynamics)

CE 361 (Transportation Engineering I)

- **Laboratory Supervised**

CE 331 (Fluid Mechanics), CE 332 (Hydromechanics), CE 433 (Water supply and Sewerage System), CE 282 (Material of Construction)

PUBLICATIONS

I. Journal Papers

1) M. MOH'D, and K. HUSEYIN. " On the Analysis of Hopf Bifurcation associated with a Two-Fold Zero Eigenvalue, 1: Autonomous System". *Journal of Vibration and Acoustics (American Association of Mechanical Engineering)*, January, 1999. Vol. 121. Pp. 101.

2) M. MOH'D, and K. HUSEYIN. " On the Analysis of Hopf Bifurcation associated with a Two-Fold Zero Eigenvalue, part 2: Non-autonomous System". *Journal of Vibration and Acoustics (American Association of Mechanical Engineering)*, January, 1999. Vol. 121. Pp. 105.

3) Noor Cholis Idham, M. MOH'D, Ibrahim NUMAN. "Javanese House's Quality Exchange". *Open House International* vol. 35 No.3 September 2010.

4) Samir H. Helou, Munther Diab “**Slabs with Hidden Beams, Facts and Fallacies**” Asian Journal of Engineering and Technology (ISSN: 2321 – 2462) Volume 02 – Issue 04, August 2014

II. Conference Presentations

1) M. MOH'D “On The Analysis Of Flutter And Divergence Bifurcation Of A Double Pendulum”. *Advances in Civil Engineering, IV. International Congress, 1-3 November 2000 Eastern Mediterranean University, Gazimagusa, North Cyprus.*

2) M. MOH'D, “Static and Dynamic Bifurcations of an Elastic Plate Subjected to an Axial Load and Fluid Flow Along its Surface” .*Advances in Civil Engineering, IV. International Congress, 1-3 November 2000 Eastern Mediterranean University, Gazimagusa, North Cyprus*

3) M. DINSEV, and M. MOH'D “ Optimal Building Structural System selections for Famagusta” *International Gazimağusa symposium 12-16 April 2004. Gazimagusa, North Cyprus*

4) M. Under, and M. MOH'D “ A study on the Architectural identification of St. George of the Latins in Famagusta” *International Gazimağusa symposium 12-16 April 2004. Gazimagusa, North Cyprus*

5) M. Under, and M. MOH'D “ A study on the Backfill Role on the Stability of St. George of the Latins in Famagusta (Gothic Form)” 3rd *FAE International symposium 25-26 November 2004. Lefke , North Cyprus*

6) M. MOH'D “ Effect of Harmonic Excitation on the Stability of Double Pendulum” 3rd *FAE International symposium 25-26 November 2004. Lefke , North Cyprus.*

7) Noor Cholis Idham, M. MOH'D, Ibrahim NUMAN, “*Why the Javanese houses have failed in 2006 earthquake*” 1st *international conference on sustainable Built Environment Enhancing Disaster prevention and mitigation. Jogjagarta, Indonesia ,may 27-29-2010.*

8) İbrahim Numan, Dr. Netice Yıldız, Munther Moh'd A Historical Survey of Turkish Baths in Cyprus and Some Suggestions for their Reuse INTERNATIONAL CONFERENCE on ISLAMIC CIVILISATION IN THE MEDITERRANEAN TRNC DEC -2010.

9) Mohd & Fahjan, ‘Seismic Assessment of Historical Masonry Structure in Famagusta’ WCCE-ECCE-TCCE Second Joint Conference SEISMIC PROTECTION OF CULTURAL HERITAGE, Turkey, Oct. 2011

10) M. D. Mohd et.al, 'Investigation Concerning the Cause of Damage in St. George of the Latins in Famagusta' WCCE-ECCE-TCCE Second Joint Conference SEISMIC PROTECTION OF CULTURAL HERITAGE, Turkey, Oct. 2011

11) Sameer hilou, munther Diyab, "Slabs with Hidden Beams Facts and Fallacies", The International Conference on Civil Engineering (ICCE) Palestine 2013

Invited Speaker

- 1) M. MOH'D, *"Seismic risk assessment of existing building in northern Cyprus (case study Famagusta)" invited Speaker in the 1st international conference on sustainable Built Environment Enhancing Disaster prevention and mitigation. Jogjagarta, Indonesia ,may 27-29-2010.*

PROJECTS SUPERVISED

Postgraduate Projects Supervised To Date:

M.S.

1) "Conceptual Site Investigations for the selection of Optimal Structural Systems on Preliminary Design Stages", Mustafa Dinsev, Architecture *Department, EMU, TRNC*, August 2003.

2) Factors Effecting Building Cost and Their Relations With Architectural Conceptual Design Decisions (Master Thesis in Architecture department by Elif Zubeyde Nuri) Supervisor August 2004.

3) Influence of High Rise Building Forms on Earthquake Resistance. (Master Thesis in Architecture department by Amir Teimour Habibabadi) Supervisor August 2007.

4) Innovated Building Material's Interaction with Structural Form in Architectural Projects (Master Thesis in Architecture department by Begum Mozaikci) Supervisor July 2009.

5) Nature as a Source of Inspiration of Architectural Conceptual Design. (Master Thesis in Architecture department by Arash Vahedi)) Supervisor October 2009.

6) Structural and technological Principles within Architectural Education. (Master Thesis in Architecture department by Ghazaleh Mokhaberi) Supervisor January 2010.

Ph.D.

- 1)** “Earthquake Vulnerability and Building Safety Re-evaluation for Java “ **Noor Cholis Idham**, Architecture *Department, EMU, TRNC*, august 2010.
- 2)** “The effect of Smart Materials and Modern Construction Technology on Architectural Building Design”, **Mustafa Dinsev**, Architecture *Department, EMU, TRNC*, Under Progress.
- 3)** “Structure in Nature and its Effect on Architectural Building Design”, **Sertac Ilter** , Architecture *Department, EMU, TRNC*, Under Progress.

REFERENCES

Available upon request
