

Curriculum Vitae (CV)

Islam M. El-Habbal



Personal Information:

Academic Rank: Assistant Professor

Department: Civil Engineering

Specialization: Design of Reinforced Concrete Structures

Position: Assistant Professor

Google Scholar: <https://rb.gy/1cvur9>

Research Gate: <https://www.researchgate.net/profile/Islam-El-Habbal>

Email islam.elhabbal@hti.edu.eg

Education:

Degree	Discipline	Institution	Year
Ph.D.	Structure Engineering	CAIRO UNIV.	2008
M.Sc.	Structure Engineering	CAIRO UNIV.	2003
B.Sc.	Civil Engineering	CAIRO UNIV.	2000

Academic Experience:

Institution: Higher Technological Institute

Rank: Assistant Professor

Dates: 2010-Till now

Institution: British University in Egypt (BUE)

Rank: Senior research expert

Dates: 2008-2010

Institution: Higher Technological Institute

Rank: Research Assistant (PhD student)

Dates: 2003-2008

Institution: Higher Technological Institute

Rank: Teaching Assistant

Dates: 2000-2003

Research interests:

- Finite Element Modeling
- Structural analysis of High-rise structures.
- Structural Dynamics
- Earthquake Engineering
- Dynamic Analysis
- Modal Analysis
- Structural Vibration
- Nonlinear Analysis
- Structural Health Monitoring
- Stress Analysis
- Smart Materials
- Reinforced Concrete Structures
- Repair of Reinforced Concrete Structures
- Prestressed concrete
- Soil-Structure Interaction
- Structural design, Strengthening and repair of reinforced concrete structures.
- Strengthening and repair of historical tall structures.

- Fragility analysis and Vulnerability assessment of structures.
- Innovative techniques for Green Building concept.
- Numerical modeling of smart materials.
- Base Isolation of High-Rise buildings.
- Dynamic effects of wind loads, and earthquake loads on high rise buildings.

Publications:

1. R. Al-Saleh, F. Casciati, A. El-Attar, and I. El-Habbal, "Experimental Validation of An SMA Retrofitting Application", Journal of Vibration and Control, 2010.
2. Y. Bahei-El-Din, M. Shazly, I. El-Habbal, Y. Elbahy, "Modified Sandwich Structures for Improved Impact Resistance Of Wind Turbine Blades", EWEC2010, 2010.
3. Esraa Emam, and Islam M. El-Habbal, "The Effect Of Expanded Perlite Aggregate/Powder Addition On The Mechanical Properties Of Concrete", Mataria university press, 2009.
4. Ahmed Saleh, Adel Al-Attar, and Islam M. El-Habbal, "Evaluation of the Seismic Performance of Existing Bridges in Egypt", Cairo University Press, 2009.
5. Said El-Kholy, and Islam El-Habbal, "Seismic Vulnerability of Reinforced Concrete School Buildings in Egypt", ECCOMAS thematic conference on computational methods in structural dynamics and earthquake engineering, Rhodes, Greece, 2009.
6. Ashraf Al-Zanaty, Adel Al-Attar, Ahmed Saleh and Islam M. El-Habbal, "The use of SMA wire dampers to enhance the seismic performance of two Islamic minarets", Ph.D. Thesis, Cairo University, 2008.
7. Ashraf Al-Zanaty, Adel Al-Attar, Ahmed Saleh and Islam M. El-Habbal, "Seismic risk mitigation of historical minaret using SMA dampers", Greece, 2008.
8. Ashraf Al-Zanaty, Adel Al-Attar, Ahmed Saleh and Islam M. El-Habbal, "The use of SMA wire dampers to enhance the seismic performance of two Islamic minarets", Structural Control and Health Monitoring, 2007.
9. Ashraf Al-Zanaty, Adel Al-Attar, Ahmed Saleh and Islam M. El-Habbal, "Ambient vibration response of two historical minarets", 4th World Conference on Structural Control and Monitoring, San Diego, 2006.

10. Ashraf Al-Zanaty, Adel Al-Attar, Ahmed Saleh and Islam M. El-Habbal, "Seismic response of two historical minarets", Third European Conference on Structural Control-Vienna University of Technology, Vienna, Austria, July 2004.
11. Ashraf Al-Zanaty, Hany Abdullah, and Islam M. El-Habbal, "Strengthening of R.C. Beams using External Prestressing", 10th international conference of structural and geotechnical engineering, Ain-shams University, 2003.
12. Ashraf Al-Zanaty, Hany Abdullah, and Islam M. El-Habbal, "Strengthening and Repair of R.C. Beams using External prestressing", M. Sc. Thesis, Cairo University, 2003.

Research Grants

1. WIND-CHIME project (**W**ide Range Non-**I**ntrusive **D**evices toward **C**onservation of **H**istorical Monuments in the **M**editerranean Area), a grant for Ph.D. Degree from the European Union, 2004.
2. Sandwich Structures for Wind Turbine Blades, research grant from the European Union, 2009.

Certificates of Appreciation

1. Certificate of Appreciation, June 2010, 6th International Engineering and Construction Conference, American Society of Civil Engineers (ASCE).
2. Certificate of Appreciation, January 2009, Cairo University, The best annual researcher.

Teaching Experience:

Courses Taught

1. High-Rise Reinforced Concrete and Structures.
2. Reinforced Concrete Structures (1).
3. Reinforced Concrete Structures (2).
4. Reinforced Concrete Structures (3).
5. Reinforced Concrete Structures (4).
6. Repair and renovation of RC structures.
7. Selected topics in structural engineering.
8. Design of prestressed concrete.

