

Resume

Dr. Eng. Amr Ramadan Ibrahim Ali Elgamal

Structural Engineer,
Assistant Lecturer at Civil Engineering Department, Benha
Faculty of Engineering, Benha University, Egypt,



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Research Name: Amr R. El-Gamal, Amr R. Elgamal,
Amr El-Gamal, El-Gamal, A.

JOB OBJECTIVE

When I started my studies in Structural Engineering, many years ago, I was passionate about the idea of being able to modeling structure to help people and companies to design structures that resist disasters like; earthquake, Wave; Terrorist acts...etc. Nowadays, with that purpose achieved, I want to join an academic universities and centers where my resourceful experience and academic skills will add value to organizational operations and to gain new experience, as a mean to add real value to Civil Engineering.

EDUCATION

- ✓ B.Sc., Civil Engineering, 2004, with very good degree with honour (80%). (*1st of class*) and with Excellent (99%) project grade, Civil Engineering Department, Benha Faculty of Engineering, Benha University, Egypt,
- ✓ M.Sc., Civil Engineering, 2011, Thesis entitled "*Dynamic Behavior of Tension Leg Platforms Subjected to Hydrodynamic Forces*", Civil Engineering Department, Benha Faculty of Engineering, Benha University, Egypt,
- ✓ Phd, Civil Engineering, 2018, Thesis entitled "*Reducing Progressive Collapse in Reinforced Concrete Building Structures*", Civil Engineering Department, Benha Faculty of Engineering, Benha University, Egypt.

LANGUAGE SKILLS

- ✓ **Arabic:** mother tongue,
- ✓ **English:** Good command of both written and spoken English language,
- ✓ **French:** Good command of both written and spoken French language.

JOB EXPERIENCE

Academic Positions

✓ **Teaching Assistant**

✚ **From 2005 to 2013**

Civil Engineering Department, Benha Faculty of Engineering, Benha University, Egypt,

✓ **Lecturer Assistant**

✚ **From 2013 to the Present**

Civil Engineering Department, Benha Faculty of Engineering, Benha University, Egypt,

✓ **Researcher**

Contribution for Academic, Technical paper and Conferences in assessment of structure dynamics (as follow in the conferences and publication lists)

DUTIES AND RESPONSIBILITY

Assisted in teaching the following undergraduate courses:

- ✓ Strength of Materials,
- ✓ Geotechnical and Foundation Engineering,
- ✓ Design of Reinforced Concrete Structures,
- ✓ Steel Structures,
- ✓ Structure Mechanics,
- ✓ Dynamics of Structures, and
- ✓ Graduate Projects (Structures, Concrete and Steel).

RESEARCH INTERESTS:

- ✓ Structural Analysis,
- ✓ Structure Dynamics,
- ✓ Progressive Collapse of Structures,
- ✓ Hydrodynamic Forces on Structures,
- ✓ Earthquake Engineering,
- ✓ Blast Loads,
- ✓ Finite Element Analysis,
- ✓ Finite Element Modeling,
- ✓ Offshore Structures, and
- ✓ Wind Loads on Structures.

AWARDS AND GRANTS:

- ✓ The Certificate of Appreciation from Benha Faculty of Engineering, 2005, and
- ✓ The Certificate of Appreciation from the Egyptian Engineers Syndicate, 2005

COMPUTER LITERACY:

Construction and Management Tools

- ✓ *Ms Office* - Self Learning,
- ✓ *Autocad* - Self Learning, and
- ✓ *Primavera* - Self Learning

Structure Design Tools

- ✓ *CSI. Programs*; SAP2000, ETABS, SAFE, PERFORM 3D, CSI Columns - Self Learning,
- ✓ *Staadwin* - Self Learning,
- ✓ *Prokon Structure* - Self Learning,
- ✓ *Matlab* - Self Learning,
- ✓ *ELS* - Self Learning,
- ✓ *ZEUS* - Self Learning,
- ✓ *SEISMOSOFT programs* - Self Learning,
- ✓ *ANSYS* - Self Learning,
- ✓ *ABACUS* - Self Learning, and
- ✓ Excellent work on Internet

PERSONAL SKILLS:

- ✓ Effective communication and team working,
- ✓ Good presentation and negotiation,
- ✓ Self-motivated and always seeking continuous improvement,
- ✓ Hard worker,
- ✓ Ambitious,
- ✓ Target Oriented, and
- ✓ Neat, calm, active, loyal, outgoing, love teamwork, like challenging,

HOBBIES AND OTHER INTERESTS:

Chess, Football, Travelling, Web Surfing and Reading.

PERSONAL INFORMATION

Date of birth: September 07, 1982
Gender: Male
Marital status: Married – Two Childs
Military service: Served a year from 2005 to 2006 with honor grade.

REFERENCES

Available upon request.

REFEREES

✓ *Prof. Dr. El-Sayed Abdel-Fatah El-Kasaby,*

Job: Professor of Soil Mech.& Foundation, Civil Engineering Department, Former Dean of Benha Faculty of Engineering, Member of the Committee of the Egyptian Code of Soil

Address: Benha Faculty of Engineering, Benha University, Benha, Egypt

Email: profkasaby@gmail.com

Telephone Numbers:

Relationship: My Phd. Supervisor and my Academic Professor

✓ *Prof. Dr. Osama Ahmed Kamal,*

Job: Professor of Structural Analysis, Former Vice President of Benha University for Environmental Affairs, Former Governor of Cairo.

Address: Shoubra Faculty of Engineering, Benha University, Shoubra, Egypt

Email: osama.kamal58@gmail.com; Osama.Kamal58@feng.bu.edu.eg

Telephone Numbers:

Relationship: President of My Phd. Discussion Committee

✓ *Prof. Dr. Sherif Ahmed Mourad,*

Job: Professor of Structural Engineering, Former Dean of Cairo Faculty of Engineering, Member of the Committee of the Egyptian Code of Concrete

Address: Faculty of Engineering, Cairo University, Cairo, Egypt

Email: smourad2006@gmail.com; smourad@eng.cu.edu.eg

Telephone Numbers:

Relationship: Member of My Phd. Discussion Committee

✓ *Prof. Dr. Osama Omar El-Mahdy,*

Job: Professor of Structural Analysis,

Address: Shoubra Faculty of Engineering, Benha University, Shoubra, Egypt

E-mail: os8294@hotmail.com

Telephone Numbers:

Relationship: My Phd. Main Supervisor

✓ *Assoc. Prof. Ahmed Hassan Abdul-Kareem,*

Job: Associate Professor, Vice Dean of Benha Faculty of Engineering for Environmental Affairs

Address: Benha Faculty of Engineering, Benha University, Benha, Egypt

Email: ahassan_k64@yahoo.com

Telephone Numbers:

Relationship: My Academic Professor

✓ *Assoc. Prof. Hala Mohammed Refat,*

Job: Associate Professor,

Address: Benha Faculty of Engineering, Benha University, Benha, Egypt

Email: halarefat@yahoo.com; hala.abusafa@bhit.bu.edu.eg

Telephone Numbers:

Relationship: My Phd. Supervisor

WEBSITES

- # <http://www.bu.edu.eg/staff/amrali5>
- # https://www.researchgate.net/profile/Amr_Elgamal
- # <https://scholar.google.com/citations?user=QxN3mLMAAAAJ&hl=en>
- # <https://benha.academia.edu/AmrElGamal>
- # <https://www.facebook.com/amr.ramadan.3388>
- # <https://twitter.com/ElgamalR>
- # <https://www.instagram.com/AmrRElgamal/>
- # <https://plus.google.com/u/0/115953150366116558465>
- # https://www.youtube.com/channel/UC2Nenc4urqdmDkStuA2NMLw?view_as=subscriber
- # <https://www.mendeley.com/profiles/amr-elgamal/>
- # <https://www.zotero.org/amrrelgamal>

CITATIONS

17 citations are known in books, refereed journals, research reports, refereed conference proceedings and dissertations

CONFERENCES

- ✓ M. Abou-Rayan, Ayman A. Seleemah, and Amr R. El-gamal, "Wave Induced Motions of a Squared Tension Leg Platform in Deep Waters", *Al-Azhar Engineering Eleventh International Conference (AEIC 2010)*, Cairo, Egypt, December 21-23, 2010.
- ✓ Amr R. El-gamal, Ashraf Essa and Ayman Ismail, "Influence of Tether Length in the Response Behavior of Square Tension Leg Platform in Regular Waves", *International Conference of Research Civil Engineering and Applied Mechanics (ICCEA 2013)*, Istanbul, Turkey, December 05 - 06, 2013
- ✓ Amr R. El-gamal, Ashraf Essa, Ayman Ismail, "Effect of Tethers Tension force in the Behavior of a Tension Leg Platform Subjected to Hydrodynamic force", *International Conference on Civil, Structural and Earthquake Engineering (ICCSEEE 2013)*, Phuket, Thailand, December 26 - 27, 2013
- ✓ Amr R. El-gamal and Hala M. Refat, "Effect of Water Density on the Response of Square Tension Leg Platform", *10th International Conference on Civil and Architecture Engineering (ICCAE 2014)*, Cairo, Egypt, May 27 - 29, 2014

PUBLICATIONS

- ✓ M. Abou-Rayan, Ayman A. Seleemah, and Amr R. El-gamal, "Wave Induced Motions of a Squared Tension Leg Platform in Deep Waters", *Al-Azhar University Engineering Journal*, Vol. 5, No. 1, pp. 340-360, Dec. 2010.
- ✓ Abou-Rayan, A.M., Seleemah, A., and El-gamal, A.R., "Response of Square Tension Leg Platforms to Hydrodynamic Forces", *Ocean Systems Engineering*, 2 (2), pp. 115 – 135, 2012, Doi: <http://technopress.kaist.ac.kr/?page=container&journal=ose&volume=2&num=2>
- ✓ Abou-Rayan, A.M. and El-gamal, A.R., "Wave Induced Motion of a Triangular Tension Leg Platforms in Deep Waters", *Ocean Systems Engineering*, 3 (2), pp. 149-165, 2013. Doi <http://technopress.kaist.ac.kr/?page=container&journal=ose&volume=3 &num=2>
- ✓ Abou-Rayan, A.M. and El-gamal, A.R., "Response of Triangular Tension Leg Platforms to Hydrodynamic Forces", *International Journal of Civil engineering (IJCE)*, ISSN 2278-9987, Vol. 2, Issue 3, 69-84, July 2013. Doi: http://www.iaset.us/view_archives.php?year=2013&id=11&jtype=2&page=2
- ✓ Amr R. El-gamal, Ashraf Essa, " Influence of Tether Length in the Response Behavior of Square Tension Leg Platform in Regular Waves", *International Journal of Ocean System Engineering*, 4 (1), pp. 19-28, 2014. Doi: http://koreascience.or.kr/article/ArticleFullRecord.jsp?cn=E1GPBT_2014_v4n1_19
- ✓ Amr R. El-gamal, Ashraf Essa and Ayman Ismail, "Influence of Tether Length in the Response Behavior of Square Tension Leg Platform in Regular Waves", *International Journal of Civil, architectural Science and Engineering*, Vol.7, No.12, 617-624, 2013. Doi:<http://waset.org/publications/9996728/influence-of-tether-length-in-the-response-behavior-of-square-tension-leg-platform-in-regular-waves>
- ✓ Amr R. El-gamal, Ashraf Essa, Ayman Ismail, "Effect of Tethers Tension force in the Behavior of a Tension Leg Platform Subjected to Hydrodynamic force", *International Journal of Civil, architectural Science and Engineering*, Vol.7, No.12, 651-658, 2013. Doi: <http://waset.org/publications/9996984/effect-of-tethers-tension-force-in-the-behavior-of-a-tension-leg-platform-subjected-to-hydrodynamic-force>
- ✓ Amr R. El-gamal, Ashraf Essa and Ayman Ismail, "Effect of Tethers Tension Force on the Behavior of Triangular Tension Leg Platform", *American Journal of Civil Engineering and Architecture*, Vol. 2, No. 3, 107-114, 2014. Doi: <http://pubs.sciepub.com/ajcea/2/3/3>
- ✓ Hala M. Refat and Amr R. El-gamal, "Influence of the Density of Water on the Dynamic Behavior of Square Tension Leg Platform", *American Journal of Civil Engineering and Architecture*, Vol. 2, No. 4, 122-129, 2014. Doi: <http://pubs.sciepub.com/ajcea/2/4/1>
- ✓ Amr R. El-gamal, Ashraf Essa and Ayman Ismail, "Tethers Tension Force Effect in The Response of a Squared Tension Leg Platform Subjected to Ocean Waves", *Ocean Systems Engineering*, Volume 4, Number 4, pp. 327-342, 2014. Doi: <http://dx.doi.org/10.12989/ose.2014.4.4.327>
- ✓ El-Mahdy, O., El-Kasaby, E., Abusafa, H., and El-Gamal, A., "Application of AEM in Progressive Collapse Dynamics Analysis of R.C. Structures", *The Civil Engineering Journal (CEJ)*, Stavebni Obzor, Faculty of Civil Engineering, CTU in Prague, Czech Republic, Vol. 3, pp. 315-332, October 2017. Doi: http://www.civilengineeringjournal.cz/archive/issues/2017/2017_3/3-2017-0027.pdf
- ✓ El-Mahdy, O., El-Kasaby, E., Abusafa, H., and El-Gamal, A., "Progressive Collapse Analysis of 2-D RC Frames Using AEM", *The Civil Engineering Journal (CEJ)*, Stavebni Obzor, Faculty of Civil Engineering, CTU in Prague, Czech Republic, Vol. 4, pp. 418-440, December 2017. Doi: http://www.civilengineeringjournal.cz/archive/issues/2017/2017_4/4-2017-0035.pdf
- Helping in preparing technical papers in “ *Dynamic response of bridges*”.
- Helping in preparing technical papers in “ *Fiber reinforcement on Concrete* ”.