

CURRICULUM VITAE

Assoc. Prof. . Hanan Eltobgy

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EDUCATION

- 1996** Ph.D., Structural Engineering, Cairo University, Thesis title: “Stability Analysis of Semi-Rigid Connected Steel Frames Subjected to Dynamic Loading”.
- 1994-1996** Peace fellowship programs, University of Missouri Rolla, Rolla, Missouri, USA.
- 1990** M.Sc. Structural Engineering, Cairo University, Thesis title: “Analysis of Steel Frames with hunched Semi-Rigid Connections”.
- 1983** B.Sc. Civil Engineering, Faculty of Engineering, Cairo University, General rate of appreciation: Very Good, Graduation project: Design of steel Bridges, Project grade: Excellent.

PRACTICAL AND PROFESSIONAL EXPERIENCE

- Consultant in Program of Contious Improvement and Qualification of Accreditation, PCIQA, Project management Unit, Ministry of Higher Education, from 10/2009 up to 10/2013.

CONFERENCE ATTENDED

1. Regional Conference in Quality Assurance in Higher Education in the Arab States Region: Sustainability and Future Development, Cairo, Egypt, 7th and 8th of June 2015
2. Third International Conference on Sustainable Construction Materials and Technologies (SCMT3), Kyoto, Japan, August 18 to 22, 2013.

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3. 8th Asia Pacific Structural engineering and Construction Conference 2012 (APSEC 201), and, 1st International Conference on Civil Engineering Research (ICCER 2012), Surabaya, Indonesia, 2 – 4 October 2012
4. The 10th International Conference on Advances in Steel Concrete Composite and Hybrid Structures, Singapore, 2-4 July 2012
5. The First Conference of the Arab Network for Quality assurance in Higher education, ANGAHE, Abu Dhabi, the United Arab Emirates, from December 13-15, 2011
6. First Middle East Conference on Smart Monitoring Dubai, UAE, 8-10 February 2011.
7. First Annual conference for Quality in higher education. Experiences and expertise, center of quality assurance and accreditation, University of sixth of October, 8-9 April 2009.
8. The Annual International Conference on Building and Construction “Inter build”.
9. International Conference on future Vision and Challenges for Urban Development, HBRC, 20-22 December 2004, Cairo, Egypt.
10. First World Conference on Structure Control, Los Angeles, California, USA, 3-5 August 1994.
11. Fourth Arab Structural Engineering conference, Cairo University, Faculty of Engineering, 18-21 November 1991

PUBLICATIONS IN THE FIELD OF STRUCTURAL STEEL DESIGN:

1. Eltobgy, H. H., Nabil, A., and Bakhoun, M. M. “Effect of Belt Truss Systems on the Enhancement of Progressive Collapse of Steel Buildings”, *Third International Conference on Sustainable Construction Materials and Technologies (SCMT3)*, Kyoto, Japan, August 18 to 22, 2013.
2. Eltobgy, H. H., Abdallah, S., and Shaaban, I. “Durability of Steel Fiber Reinforced Concrete Filled Steel Tubes under Eccentric Loads”, *Third International Conference on Sustainable Construction Materials and Technologies (SCMT3)*, Kyoto, Japan, August 18 to 22, 2013.
3. Hanan Eltobgy, “Optimum belt truss locations to enhance the structural performance of high-rise steel buildings”, *WULFENIA Journal*, Klagenfurt, Austria, Issn: 1561-882X, Vol 20, No.6, Impact factor: 0.267, Eigen factor: 0.00003, Thomson Reuters.

4. Hanan Eltobgy, “Behavior and Design of Steel Box Columns In-Filled with Plain and Steel Fiber Reinforced Concrete under Centric and Eccentric Loads”, *WULFENIA Journal*, Klagenfurt, Austria, Issn: 1561-882X, Vol 20, No. 5, Impact factor: 0.267, Eigen factor: 0.00003, Thomson Reuters.
5. Hanan H. Eltobgy, “Structural design of steel fiber reinforced concrete in-filled steel circular columns”, *Steel and Composite Structures*, Techno-Press, Vol.14, No. 3 (2013) 267-282, Impact factor: 0.468 (2011), ISSN: 1229-9367(Print), ISSN: 1598-6233(online).
6. Hanan Hussien Eltobgy, Ibrahim Galal Shaaban, Salah Eldin Abdullah, “Behavior of Eccentrically Loaded Plain and Steel Fiber Reinforced Concrete Filled Steel Box Column”, *Journal Technology (Jurnal Teknologi)*, E-ISSN 2180–3722 / ISSN 0127–9696, 61:3 (2013) 79–85. <http://dx.doi.org/10.11113/jt.v61.1771>
7. Abdullah, S., Eltobgy, H., and Shaaban, I., “Structural Behavior of Fiber Reinforced Concrete Filled Steel Box Columns”, *8th Asia Pacific Structural Engineering and Construction Conference, (APSEC 2012) and 1st International Conference on Civil Engineering Research (ICCER 2012)*, Surabaya, Indonesia, 2 – 4 October 2012, e-ISBN 978-983-44826-3-3.
8. Hanan H. Eltobgy, “Reducing the Lateral Vibration of Light Weight Steel Structures Using the Concept of Tuned Mass Dampers”, *Proc. of the 10th International Conference on Advances in Steel Concrete Composite and Hybrid structures*, Singapore, 2-4 July 2012, ISBN: 978-981-07-2615-7: doi: 10.3850/978-981-07-2615-7 26.
9. Hanan H. Eltobgy, “Strengthening, Restoration and Rehabilitation of the Greek Orthodox Church of Saint George - Old Cairo”, *First Middle East Conference on Smart Monitoring*”, Dubai, UAE, 8-10 February 2011.
10. Hanan Eltobgy, Fouad Fayez, Mostafa Lokman, “Effect of corrugated sheets on the lateral stability of steel frames”, *ESRJ, Engineering and Scientific Research Journal*, Faculty of Engineering at Shoubra, Cairo, Egypt, Number 13 July 2010.
11. Hanan H. Eltobgy, “Forced elastic displacement at the bearings of statically indeterminate framed steel structures”, *International Conference: Future Vision and Challenge for urban Development*, Cairo, Egypt, 20-22 December 2004.
12. El-Sayed B. Machaly, Mokhtar M.Seddeik & Hanan H.Eltobgy, “Fixed End Actions of Tapered Elements with Semi – Rigid Connections”, *Scientific Engineering Bulletin, Journal of Faculty of engineering, Cairo University*, Vol.: 37, No. 4, December, 1990.

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13. El-Sayed B. Machaly, Mokhtar M. Seddeik & Hanan H. Eltobgy “Optimization of Steel Frames with Haunched Rafters and Semi-rigid Connections” The First Alexandria Conf. on Struct. and Geotec. Eng., December 1990.
14. El-Sayed B. Machaly, Mokhtar M. Seddeik & Hanan H. Eltobgy “Stability of Frames with Tapered Girders and Semi-rigid Connections” The Proceeding of Al-Azhar Eng. First Conf., Al-Azhar Univ., December 1989.

PUBLICATIONS IN THE FIELD OF QUALITY ASSURANCE IN HIGHER EDUCATION

1. Mostafa M. Radwan and Hanan eltobgy, “Using Screen Card Tool for Quality Assurance Assessment and Progress Monitoring In Public Higher Education Institutions in Egypt”, *OECD - IMHE General Conference*, Paris, September 17, 2012.
2. Hanan Eltobgy and Mostafa M. Radwan, “Monitoring Egyptian Higher Education Institutions Performance Development, the Balanced Scorecard Approach”, *The First Conference of the Arab Network for Quality assurance in Higher education*, ANGAHE, Abu Dhabi, the United Arab Emirates, from December 13-15, 2011.

BOOKS

Structural Steel Design, ASD – LRFD, 2014, Dar El Mearefa Press.

RESEARCH AREAS

1. Semi-rigid connections behavior.
2. Stability of steel structures under the effect of dynamic Loading.
3. Composite Materials, Fiber-Reinforced Polymers,
4. Dynamic analysis, Seismic response of structures
5. Finite element analysis.
6. Analysis of Floor Vibration
7. Structure Control of high-rise buildings
8. Progressive collapse
9. Tuned mas damper
10. Castellated and cellular beams

SUPERVISION OF POSTGRADUATE STUDENTS

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1. Supervised M.Sc. Research student awarded the degree at 2014, Title of Thesis: “Seismic Response Control of Steel Tall Buildings using Tuned Mass Damper”.
2. Supervised M.Sc. Research student awarded the degree at 2014, Title of Thesis: “Mitigating Progressive Collapse of Steel Structures”.
3. Supervised M.Sc. Research student awarded the degree at 2013, Title of Thesis: “Analysis of Castellated Steel I-beams With Rational Cross-Section”.
4. Supervised M.Sc. Research student awarded the degree at 2013, Title of Thesis: “Response of Steel Structures to Blast Loading”.
5. Supervised M.Sc. Research student awarded the degree at 2013, Title of Thesis: “Structure Analysis of High Rise building using steel plate shear walls”.
6. Supervised M.Sc. Research student awarded the degree at 2012, Title of Thesis: “The Behavior and Design of Fiber Reinforced Concrete Filled Steel Box Columns”.
7. Supervised P.HD. Research student awarded the degree at 2008, thesis title: “Buckling Behavior of Structural Elements Made of Fiber-Reinforced Laminates”.
8. Supervised M.Sc. Research student awarded the degree at 2008, Title of Thesis: “Effect of Corrugated Sheets as Shear Diaphragms on Stability of Steel Frames”.
9. Supervising M.Sc. Research student, Title of Thesis: “Analysis of Hony-compes Steel Irrigation Gates”.

COURSES TAUGHT

Undergraduate Level: Civil Engineering Students

- Design of steel structures.
- Design of steel bridges.
- Cold formed steel design.
- Design of composite constructions.
- Design of tanks, bins and masts.

Postgraduate Level: Structural Engineering M.Sc., and P.HD.

- Stability Analysis of Steel Structures.
- Plastic Design of steel Structures.
- Advanced Design of steel structures.
- Behavior and design of Plates and Shells.
- Design of Thin-walled constructions.

OTHER ACTIVITIES

Computer Programming of Civil Engineering Application.

PRACTICAL AND PROFESSIONAL EXPERIENCE

1. Participating in the Internal Quality Assurance workshop, arranged Pre- Regional Conference in Quality Assurance in Higher Education in the Arab States Region: Sustainability and Future Development, Cairo, Egypt, 6th of June 2015
2. Participating in the Training of External Reviewers workshop, arranged Pre- Regional Conference in Quality Assurance in Higher Education in the Arab States Region: Sustainability and Future Development, Cairo, Egypt, 6th of June 2015
3. Certificate from National Authority for Quality Assurance and Accreditation of Education for attending workshop “Preparing Undergraduate Civil Engineering for 21ST Century Accreditation”, 22-23 June 2010.
4. Certificate from National Authority for Quality Assurance and Accreditation of Education for attending workshop “Civil Engineering Program Quality Improvement and Practices”, 2-4 May 2010.
5. Participating in the work group at the Faculty of Engineering, Benha University for preparing Strategic plan (2009-2014), 2009.
6. Attending workshop for Continuous Improvement and Qualification for Accreditation Projects, 8/7/2009.
7. Participating in the work group at the Faculty of Engineering, Benha University for preparing the Academic Standards for civil engineering program specification, March – May 2009.
8. Participating in the work group at the Faculty of Engineering, Benha University for preparing the 1st, and 2nd, 3rd, 4th, 5th, and 6th Annual Employment Fair.

TRAINING RECORD

1. Certificate from National Authority for Quality Assurance and Accreditation of Education “Institutional Self-Evaluation for Higher Education”.
2. Certificate from National Authority for Quality Assurance and Accreditation of Education “Strategic Planning”.
3. Certificate from National Authority for Quality Assurance and Accreditation of Education “External Audit”.
4. Certificate from National Authority for Quality Assurance and Accreditation of Education “Intended Learning Outcomes and Curriculum Maps”.

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5. Certificate from Development Center for the Development of the Capacity of Faculty Members: “Quality Assurance for Higher Education”.
6. Certificate from Development Center for the Development of the Capacity of Faculty Members: “Ethics of Scientific Research”.
7. Certificate from Development Center for the Development of the Capacity of Faculty Members: “Scientific Publications”

OTHER ACTIVITIES

Computer Programming of Civil Engineering Applications.

MEMBERSHIPS

American Institute of Steel Construction (AISC) Member #: 1079608

Egyptian Syndicate of Engineers, membership No. 1209/10.

Egyptian Society of Civil Engineers from 1984 up to date.

Egyptian Society of Earth Quake from 2014 up to date.