

Holds B. Sc. and M. Sc. in Civil Engineering and has about 9 years hands-on experience working mainly in design field.

## PERSONAL DATA

Nationality : Egyptian  
Gender : Male  
Residence : New Cairo

## EDUCATION

- : B. Sc. in Civil Engineering, Cairo University, 2007
- : M.Sc. in Civil Engineering, University of Manitoba, Canada, 2017

## LANGUAGES

Arabic : Native Language  
English : Excellent

## COMPUTER SKILLS

- : Windows, MS Office, Internet
- : SAP 2000, STAAD Pro, RAM Connections, Idea Statica, Limcon, HILTI Profis Anchor, ETABS, SAFE, CSI Column, AutoCAD, Revit and BIM platform

## TRAINING COURSES AND CERTIFICATIONS

- : CSCE 2016 Conference, London, Ontario, Canada.
- : ACMBS-VII Conference 2016, Vancouver, British Columbia, Canada.
- : Two-Day Journal Writing Boot Camp, University of Manitoba (2015).
- : Teaching Assistant Workshop, University of Manitoba (2015).
- : Egypt-USA workshop on "Use of Light Steel in Residential Buildings" (Dec. 2012).
- : The underground Metro construction works, National Authority for Tunnels (Aug. 2011).
- : R.C construction works, New Cairo City, Wadi El-Nil Company (Jul. 2009).

# CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Dec. 2017 till now  
**Employer** : Cosmos-E Engineers and Consultants, Cairo  
**Job title** : Senior Steel Design Engineer  
**Job Description** :

- Design, analysis and preparing structural drawings of different industrial and administration structures for many projects such as:
  - Cairo West Supercritical Power Station, Cairo, Egypt.
  - Midor Refinery Expansion, Alexandria, Egypt.
  - Al Mitlaa Residential City, Kuwait.
  - Kuwait University, Kuwait.
  - Yanbu Grain Silos Project and Ancillary Facilities, Yanbu, KSA.
  - The Showroom of Egypt, Gambia.
  - Black Sand Project, El Burullus, Egypt.
  - Canal Sugar Beet Extraction and Refinery, Minya, Egypt.
  - Joly Ville Conference Hall, Sharm El-Sheikh, Egypt.
  - Al Reef Sugar Refinery, Egypt.
  - Koning Food Industries Factory, 10th of Ramadan City, Egypt.
  - Alburouj Cultural Hub` Outdoor Stage, Cairo, Egypt.
  - New Opera House at Egypt's New Capital, Cairo, Egypt.
  - Cash Center and Print Shop of the New Central Bank of Egypt at Egypt's New Capital, Cairo, Egypt.
- Checked shop drawings and documents submitted by contractors.

**Dates** : From Mar. 2017 till Nov. 2017  
**Employer** : Civil ArSa Engineering Inc., Winnipeg, Canada  
**Job title** : QC Site Engineer  
**Job Description** :

- Inspected the casting of a concrete precast panel reinforced with GFRP bars for the construction of Culverts being done for the Ministry of Transportation of Ontario, Canada.
- Monitoring and guiding all stages of casting process.
- Prepared and submitting daily status reports on the site construction work activities to main office in Ontario, Canada.
- Liaised and interacted with senior managers, engineers, technicians and workers to coordinate and manage work activities.

**Dates** : From Sep. 2014 till Feb. 2017  
**Employer** : University of Manitoba, Department of Civil Engineering, Winnipeg, Canada  
**Job title** : Research Assistant and Project Manager  
**Job Description** :

- Planned, managed, designed and constructed a research program of reinforced concrete slab-column connections in a multiple floors parking garage building.
- Designed and constructed seven full-scale slab-column connections using different international standards and design codes such as ACI-318-14, CSA/A23.3-04, NBCC 2010, CSA/S806-12 and CSA/S6-14.
- Developed new equations and provisions for the design purpose to be considered in the next versions of the design standards.
- Supervised the construction operations and lab technicians in line with the tight project time-line.

- Conducted cost estimates and controlled the project budget.
- Prepared and submitted bi-weekly progress reports on the details of the work activities.
- Attended bi-weekly meetings with the direct supervisor and other engineering staff and delivered PowerPoint presentations to discuss the ongoing work progress as well as upcoming duties in accordance to the designed plan, scope of work and developed performance indicators.
- Participated in several international conferences and results of the construction and research works were presented and published.
- Consolidated results of this program were published in the American Society of Civil Engineers.
- (ASCE) Journal of Composites for Construction Vol. 22, Issue 2 in 2018.

**Dates** : From Apr. 2014 till Sep. 2014  
**Employer** : Dar Al-Handasah (Shair and Partners), Cairo  
**Job title** : Steel Structural Engineer  
**Job Description** :

- Analysis and design of different structures using several international standards and design codes, in addition to preparing structural drawings for many international large-scale projects such as:
  - Holy Haram Makkah Mataf Extension, Makkah, Saudi Arabia.
  - King Abdulaziz International Airport, Jeddah, Saudi Arabia.
  - Security Forces Medical Center, Jeddah, Saudi Arabia.
- Coordinated with other engineering disciplines and with draftspersons.
- Checked shop drawings and documents submitted by contractors.

**Dates** : From Aug. 2012 till Jan. 2013  
**Employer** : Egyptian Consulting House (MZECH), Cairo  
**Job title** : Steel Structural Engineer  
**Job Description** :

- Design, analysis, and coordination tasks of many large-scale projects such as:
  - Mall of Egypt, Cairo, Egypt.
  - Toyota Showroom, Cairo, Egypt.
- Checked shop drawings submitted by contractors.

Skills:

Design of steel and concrete structures using AISC, ASCE, ACI, Eurocode and ECP.

AWARDS AND SCHOLARSHIPS:

- University of Manitoba International Graduate Student Entrance Scholarship (IGSES), 2014.
- Antenbring Graduate Scholarship in Engineering, 2015.
- Graduate Research Assistantship, 2014 to 2016.
- University of Manitoba Faculty of Graduate Studies Travel Award, 2016.

PUBLICATIONS:

- Mostafa, A. and El-Salakawy, E.F. (2016). "Behavior of GFRP-RC Slab-Column Edge Connections with High Strength Concrete and Shear

Reinforcement." ASCE Journal of Composites for Construction, in review.

- Mostafa, A., El-Gendy, M. and El-Salakawy, E.F. (2016). "Effect of Concrete Strength on the Punching Shear Behaviour of Slab-Column Edge Connections Reinforced with GFRP Bars." Proceedings on CD-ROM, 5th Int. Structures Specialty Conference, CSCE, London, ON, June 1-4, 10 p.
- Mostafa, A. and El-Salakawy, E.F. (2016). "High Strength Concrete Slab-Column Edge Connections Reinforced with GFRP Bars." Proceedings on CD-ROM, The 7th International Conference on Advanced Composite Materials in Bridges and Structures (ACMBS-VII), Vancouver, BC, Canada, Aug. 24-26, 6 p.
- El-Salakawy, E., Hussein, A., Mostafa, A. and El-Gendy, M. (2016). "Effect of GFRP Shear Reinforcement on the Punching Shear Behaviour of GFRP-RC Slab-Column Connections." Technical Report, submitted to Pultrall Inc., Thetford Mines, Quebec, July.