

Basem Hassan Abd El-Baset

Personal Data

Nationality : Egyptian.
Gender : Male.
Date of birth : October, 30, 1990.
Marital Status : Single.
Military Status : Exempted.

Contact Data

Address : 24 El Adawee St. Dar el Salam, Cairo, Egypt.
Home Phone :(002)02-25258359
Phone : (002) 01223044842
E-Mail : basem.hassan@Eng.cu.edu.eg

Research interest statement

Post graduate civil engineer seeking to conduct my doctorate degree in structural engineering at prestigious institute, where I can gain more practical experience, and utilizes my current skills, as I can work with team, I able to be team leader, I work under pressure and handle stress situation.

Education

Master : **M. sc. Structural Engineering Department, Cairo University.**
GPA : 4/4 (Preliminary courses)
Thesis Title: “*Ultimate Shear Strength of tapered plate girder end panel.*”
I expect to get **M. sc.** degree by next August 2014.

Bachelor : B.Sc. May (2012), Cairo University, Faculty of Engineering,
Civil Structure Department.

GPA : **3.87/4**
Rank : 3rd ranked student cumulative.

Work Experience

Current job : Teaching and research assistant in Cairo University from 2012.
: Design Engineer in COSMOS-E CO.

Teaching Experience : Co-teaching in the following courses

- STR 303A: Steel structures design of members.
- STR 303B: Steel structures design of connections.
- STR 404 : Metallic bridges.
- STRN302: Steel structure design.
- STRN410: Steel bridge design.
- CVE480 : Steel structures graduation project.

Working Experience:

I work at COSMOS-Engineering Consultant office (<http://www.cosmos-eng.com/>) from Aug. 2012 till now. While this period I get involved in these projects:

- “Suez cement” factory in Kattamya, check and strengthening for pre-heater building.
- “Coal and Gridding” factory in Jordan, design and detailing for series of buildings (material conveyor)
- “Mining Company” in Jordan, design and detailing for series of buildings (Head house,
- “EDITA” factory phase 2 in 6-October city, Egypt, revision for steel structure.
- “Titan Fuel Line” in Jordan, design and detailing for series of buildings.
- “Ragab Sons” in Egypt, revision for steel structure.
- “DANILE” in Egypt, design and detailing for steel structure.
- “Bagging Building” in Jordan, design and detailing for series of buildings.

Research Experience:

M. sc. Thesis include: Analytical investigation of ultimate shear strength of tapered plate girder . Finite element model-using ANSYS Program-have been established to Studying Linear Buckling Analysis and non Linear Buckling Analysis of plate girder, studying the post buckling stage “tension field” and its behavior in tapered plate girder . The goal of this study is to estimate the ultimate shear strength of tapered plate girder using plane web and corrugated web and compare results with different codes equations.

Thesis supervisors:

- Prof. Dr. Hesham Sobhy (Professor of steel structures in Faculty of Engineering, Cairo University).
<http://www.eng.cu.edu.eg/staffweb/ShowInstructorData.aspx?iid=3047>
- Associate Prof. Mohamed H. Serror (Associated Prof. of steel structures and bridges in Faculty of Engineering, Cairo University).
<http://www.eng.cu.edu.eg/staffweb/ShowInstructorData.aspx?iid=3114>

Field of Research Interest

- *Earthquake Engineering and Structural Dynamic.*
- *Steel Connection Behavior.*
- *Composite Material Application in Structures.*
- *Steel Bridges.*
- *Steel Buckling.*

Workshops Attended

Student activities:

- (STP) five sessions in human development, leadership (20 hrs.).
- (SPE) five sessions in presentation skills (20 hrs.).

In Campus activities:

- Three sessions for effective presentation skills (FLDC).
- Two sessions in use of technology in teaching (FLDC).
- Two sessions in international publication for scientific researches (FLDC).
- Two sessions in communication skills (FLDC).

Summer Training

- Summer 2009: El Rehab city Talaat Mostafa Group.
- Summer 2010: The Arab Contractors Company, Residential and administration Building
- Summer 2011: Khatib & Alami - ASA Engineering Consultants.

Computer Skills

- **ANSYS11** finite element program.
- **COSMOS** finite element program.
- **SAP2000** structural analysis program certificate course .
- **STAD pro** structural analysis program.
- **AUTOCAD (2D)** program.
- **WATER CAD and SEWER CAD** program.
- **ICDL** certificate course .

Languages

- Arabic : Native language.
- English : fluent.

Hobbies and Interests

- Sports : Football, table tennis and walking
- Reading : Novels, news papers and political articles.
- Games : Chess and video games.

References

- Prof. Sherif Mourad (Faculty Dean) (smourad2006@gmail.com)
- Prof. Hesham Sobhy (steel Prof. in CUFE) (hsayed@cosmos-eng.com)
- Dr.Mohamed Hassanien (steel Prof. in CUFE) (mhassanien@cosmos-eng.com)