

## Curriculum Vitae

### Dr. Ali Elsayed Elrefaei

Department of Construction Engineering  
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#### 1. Personal Information

**First Name / Sure Name:** Ali Elrefaie  
**Date of Birth:** 1/2/1981  
**Address:** Kafr Husien – Zefta – Gharbia  
**Nationality:** Egyptian  
**Phone:** 01066721505 - 01550100022  
**E-mail:** Alielrfaie2@yahoo.com  
**Gender:** Male

#### 2. Education

Title of Awarded Degree	Name of Organization Providing Education	Principle Subject	Dates	
			From	To
PhD in Civil Engineering	Moscow State University of Civil Engineering <b>MFCY</b>	Civil Engineering, Nano Building materials and Products	2012	2016
<b>Thesis Title: INCREASING STRENGTH, WATER RESISTANCE AND FROST RESISTANCE OF HEAVY CONCRETE BY NANOMODIFICATORS</b>				
MSc. in Civil Engineering	Faculty of Engineering, Tanta University	Civil engineering, Structural Engineering	2005	2008
<b>Thesis Title: EFFECT OF SECTION PROPERTIES OF PLATE GIRDER ON ITS BEHAVIOR USING NON LINEAR ANALYSIS</b>				
BSC in Civil Engineering	Faculty of Engineering, Tanta University	Structural Engineering	1998	2003

#### 3. Professional Experience

Occupation	Name & Address of Employer	Main Activities & Responsibilities	Dates	
			From	To
Lecturer	Egyptian Russian University, Faculty of Engineering, <b>Egypt</b>	Teaching Concrete Technology, Design of steel structures and Structure Analysis	2016	Till now
Teaching Assistance	Izhevsk State Technical University, Izhevsk <b>Russia</b>	Teaching Concrete Technology, Design of steel structures and Structure Analysis	2013	2016
Structural Engineer	Factory of reinforced concrete products ". Izhevsk, <b>Russia</b>	quality control inspector	2013	2016
Teaching Assistance	Faculty of Engineering, Kafr El Sheikh, University, <b>Egypt</b> .	Teaching Design of steel structures and Structure Analysis	2008	2011

Demonstrator	Higher Institute for Engineering and Technology H.T.I 10 <sup>th</sup> of Ramadan City, <b>Egypt</b> .	Teaching Design of steel structures and Structure Analysis	2005	2008
Structural Engineer	Eamar Eldelta company, Tanta, <b>Egypt</b>	Design and Implementation of workshop drawings	2005	2011
Soldier-Engineer	Engineering department, Egyptian Air Force, <b>Egyptian army</b>	Design and Implementation of workshop drawings	2003	2005

#### 4. Discipline

<b>General Discipline</b>	Construction Engineering	<b>Principle Subject</b>	Nano Materials/Steel
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#### 5. Teaching Experience

Course Title	Course Code	University	Academic Years
Design of steel structures, Structural analysis, Engineering drawing (Continuous Education for Civil Engineering)	--	Higher Institute for Engineering and Technology H.T.I 10 <sup>th</sup> of Ramadan City, <b>Egypt</b>	2005-2008
Design of steel structures, Concrete	--	Faculty of Engineering, Kafr-El Sheikh, University, <b>Egypt</b> .	2008-2011
Concrete Technology, Civil Drawing and steel structures design		Izhevsk State Technical University, Izhevsk <b>Russia</b>	2012-2016
Concrete Technology, Design of steel bridges and structures and structural analysis	CE203/ CE490 / CE440	Faculty of Engineering, <b>Egyptian Russian University, Egypt</b>	2016- till now

#### 6. Professional & Technical Skills

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▪ **Computer Skills:**

- Good knowledge and command of the most common desktop applications.
- Operating system: Windows
- AutoCAD: 2D and 3D
- Finite element program: ABAQUS
- Programming Languages: Visual BASIC
- Programming structures analysis: SAP
- Microsoft Office: WORD, EXCEL and P OWER POINT.

- **Languages:**
  - Excellent at **Russian**.
  - Very good at **English**.
  - Good at **French**.
  - **Arabic** is the mother tongue.

## 7. Personal Skills

Computer Skills	Self Assessment		
	Excellent	Good	Fair
Desk top applications	✓		
Language Skills	Self Assessment		
	Excellent	Good	Fair
Russian	✓		
English	✓		
French			✓
Arabic	✓		
Other Skills			
Communication skills	✓		
Work in Team	✓		

## 8. Scientific Activities

### Publications:

1. *Яковлев, Г.И.* Бетон повышенной долговечности для производства опор линий электропередач / Г.И. Яковлев, Г.Н. Первушин, И.С. Полянских, С.А. Сеньков, И.А. Пудов, **А.Э.М.М. Эльрефаи** // Журнал: "Строительные материалы". – 2014. – №5. – С. 1–3.
2. **A.E.M.M. Elrefaei** Combining additives of various genesis for enhancing modification of concrete / I.A. Pudov, G.I. Yakovlev, S.A. Senkov, A.F. Buryanov// Журнал: "Строительные материалы". – 2017. – № 1-2. – pp. 26–30.
3. *Карпова, Е.А.* Модификация цементного бетона комплексными добавками на основе эфиров поликарбоксилата, углеродных нанотрубок и микрокремнезема / Е.А. Карпова, **А.Э.М.М. Эльрефаи**, Г. Скрипкюнас, Я. Керене, А. Кичайте, Г.И. Яковлев, М. Мацяускас, И.А. Пудов, Э.В. Алиев, С.А. Сеньков // Журнал: "Строительные материалы". – 2015. - №2. – С. 40–48.
4. *Yakovlev, G.I.* Modification of cement concrete by dispersion of multilayer carbon nanotubes / G.I. Yakovlev, G.N. Pervushin, I.A. Pudov, I.G. Dulesova, **A.E.M.M. Alrfay** // Proceedings of the IV International Conference "Nanotechnology for green and sustainable construction". –Cairo, 2012. – P. 6–15.
5. *Хрусталёв, Б.М.* Дисперсии многослойных углеродных в строительном материаловедении / Б.М. Хрусталёв, С.Н. Леонович, Б.А. Якимович, Г.И. Яковлев, Г.Н. Первушин, И.С. Полянских, И.А. Пудов, Д.Р. Хазеев, А.В. Шайбадуллина, А.Ф. Гордина, **А.Э.М.М. Эльрефаи**, Я. Керене // Наука и техника. – Минск. - 2014. - №1. - С. 44 – 52.

6. *Яковлев, Г.И.* Улучшение физико-механических характеристик наноструктурированием цементной матрицы / Г.И. Яковлев, И.С. Полянских, Е.А. Карпова, **А.Э.М.М. Эльрефай**, Я. Керене, Р. Борис // Материалы VIII Академических чтений РААСН - Международной научно-технической конференции: Механика разрушения строительных материалов и конструкций. – Казань: КГАСУ. – 2014. – С. 379–384.
7. *Яковлев Г.И.* Влияние многослойных углеродных нанотрубок на модуль упругости и микротвердость цементной матрицы / Г.И. Яковлев, Г.Н. Первушин, И.А. Пудов, Джозеф Эберхардштайнер, Олаф Лахайн, **А.Э.М.М. Эльрефай**, С.Н. Леонович // Современные проблемы строительства и жизнеобеспечения: безопасность, качество, энерго- и ресурсосбережение. Сборник материалов III Всероссийской научно-практической конференции.– Якутск: СВФУ имени М.К. Аммосова. – 2014. [Электронный ресурс] – С. 387-393.
8. M.A. Dabaon. Effect of Width-to-Thickness Ratio of Tension Flange on The Behavior of Steel Plate Girders/ S.S. Sakla, **A.E.M. Elrefaei**// Proceedings of the 13<sup>th</sup> International Conference on Structural and Geotechnical Engineering, Ain Shams University –Cairo, 2009.
9. A. Gordina. Evaluation of the Influence of Ultradisperse Dust and Carbon Nanostructures on the Structure and Properties of Gypsum Binders/ Y.Tokarev, G.Yakovlev, J.Keriene, S.Sychugov, **A.E.M. Elrefaei**// 11th International Conference on Modern Building Materials, Structures and Techniques, MBMST. 57 ( 2013 ) 334 – 342

## 8- CONFERENCES

- The 13<sup>th</sup> International Conference on Structural and Geotechnical Engineering, Ain Shams University –Cairo, Egypt, 2009.
- The VII International Conference "Nanotechnology for green and sustainable construction". – Sharm El Sheikh, Egypt, 2015.
- The IX International Conference "Nanotechnology for green and sustainable construction". – Sharm El Sheikh, Egypt, 2017.

## 9- LIST OF UNDERGRADUATE COURSES OFFERED

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|---|--|
| ▪ <i>Engineering Drawing and Graphics</i>               | ▪ <i>Design of Steel Structures II</i>     |
| ▪ <i>Engineering Mechanics (Statics &amp; Dynamics)</i> | ▪ <i>Design of Steel Bridges</i>           |
| ▪ <i>Structural Analysis I</i>                          | ▪ <i>Properties of Materials I</i>         |
| ▪ <i>Structural Analysis II</i>                         | ▪ <i>Properties of Materials II</i>        |
| ▪ <i>Structural Analysis III</i>                        | ▪ <i>Design of Concrete structures I</i>   |
| ▪ <i>Structural Analysis IV</i>                         | ▪ <i>Design of Concrete structures II</i>  |
| ▪ <i>Design of Steel Structures I</i>                   | ▪ <i>Design of Concrete structures III</i> |
|   | ▪ <i>Concrete Technology</i>               |

