

## CURRICULUM VITAE



1. Name: **Nameer Abdul-Ameer Hameed Alwash**
2. Date and place of birth: **23/2/1965 - Baghdad**
3. National status: **Arabic**
4. Marital status: **Married**
5. Languages: **English**
6. Qualifications:
  - a. **B.Sc. University of Baghdad - Iraq 1986**
  - b. **M.Sc. University of Baghdad - Iraq 1989**
  - c. **Ph.D. University of Technology - Iraq 1996**
    - **A Professor of Structural Engineering in University of Babylon**
    - **Also, a member in the Iraqi Engineering Association since 1986 (consultant engineer)**
7. Specialization : **Civil Engineering - Structures**
8. Practical Experience:
  - a- **Structural design of many buildings, bridges, and other structures e.g.:**
    - **The bearing reinforced concrete skeleton of the dust remover in New Kufa Cement Factory.**
    - **The Basic Sciences Building and The Medical Sciences Building in The Medicine College in Babylon university.**
    - **The Student Club Building and The deanery of The Medicine College in Babylon University.**
    - **The Annex Building in The Central Library in Babylon University.**
    - **The Grid Nylon Bags Factory in Al-Forat General Company for Chemical Industries.**
    - **Kut-Ezza Bridge on Tigris River in Kut Province.**
    - **Al-Zubaidiya Bridge on Tigris River in Kut Province.**

- Al-Ahrar Bridge on Tigris River in Kut Province.
- The Mosque of Babylon University.
- Lecturer Houses Camp of Babylon University.
- Sewage Treatment Stations and Pumping Stations in four Districts in Nasyria .
- Sewage Treatment Stations and Pumping Stations in Hilla.
- Four Buildings in University of Technology in Baghdad.
- Several Commercial Hilla, Kerbala, and Nasaf.
- Several privet houses in Hilla.

b. Supervision on construction of many buildings, and other structures e.g.:

- Rehabilitating the break tank in The General Company of Tires Industries in Najaf Province.
- Modifying the line of mixing carriage for three slurry- mixing pools in New Kufa Cement Factory from steel railway to R/C line for rubber tire carriage.
- Erection of air-conditioned aluminum rooms for the control system in Al-Mussaib Thermal Electrical Station.
- Construction of storage places and workshops in Al- Mussaib Thermal Electrical Station.
- Project of Widening of Maithem Al-Tammar Street in Kerbela.
- Project of Babylon Province Council Building.
- Several commercial buildings and privet houses in Babylon Province.

## 9. Academic Experience:

### 9.1. *Teaching Experience:*

- undergraduate courses :

strength of materials, theory of structures, concrete design.

- graduate courses :

stiffness method, finite element method, theory of plates and shells, dynamic analysis, seismic analysis and design , elastic stability.

### 9.2. *Published Researches:*

- "First Yield Analysis of Thick Rectangular Plates Subjected to Transverse Uniform Load"** , Eng. And Tech. Journal, University of Technology, Baghdad, vol.15, no. 7, 1996.
- "The Maximum Pressure for A Thick - Walled Composite Tube Subjected to Internal Pressure"**, Eng. And Tech. Journal, University of Technology, Baghdad, vol.15, no.3, 1996.
- "Elasto-Plastic Finite Element Bending Analysis of Thick Plates"**, Eng. And Tech. Journal, University of Technology, Baghdad, vol.17, no. 2, 1996.
- "Limit Analysis of Thick Annular Plates Subjected to Transverse Pressure"** , Journal of Babylon University, engineering sciences, vol.3, no.5, 1998.
- **"Onset-Yield Analysis of Thin and Thick Circular Plates Subjected to Transverse Uniform Pressure"**, Eng. And Tech. Journal, University of Technology, Baghdad, vol.20, no. 7, 2001.
- "The Bursting Pressure of Thick - Walled Laminated Composite Spherical Vessels Subjected to Internal Pressure"**, Journal of Abhath Al-Yarmouk, Series of basic and engineering sciences, Jordan, vol.11, no.1, 2002.

- "Inelastic Analysis of Reinforced Concrete Frames With Linearly Tapered Members"**, Journal of Abhath Al-Yarmouk, Series of basic and engineering sciences, Jordan, accepted for publication at 28/3/2002.
- "Elastic Stability and Large Displacement Analysis of beam-Like Lattice Structures under Static and Dynamic Loads "**, Journal of Babylon University , Series of engineering sciences, Iraq, vol.7,no.5, 2002.
- "Nonlinear Analysis of Reinforced Concrete Plane Frames Under Cyclic Loading "**,Journal of Babylon University , Series of engineering sciences, Iraq, vol.9,no.5, 2003.
- **"Optimal Design of Reinforced Concrete Frames Consisting of Non-Prismatic Members Based on Elastic Analysis"**, Eng. And Tech. Journal, University of Technology, Baghdad, accepted for publication at 10/6/2004.
- **"Non-Linear Behavior of Folded Plate Structures by Finite Strip Method"**, Eng. And Tech. Journal, University of Technology, Baghdad, accepted for publication at 8/6/2005.
- "Large Displacement Analysis of Plane Structures on Non-Linear Foundation"**, Int. Conference on Computational Methods for Coupled Problems in Science and Engineering - Coupled Problems 2005 , © CIMNE , Santorini Island, Greece.
- **"Nonlinear Tangent Stiffness Matrix for A Three-Dimensional Frame Element"**, Eng. And Tech. Journal, University of Technology, Baghdad, accepted for publication at 16/1/2006.
- "Structural Behavior of Piles During Driving"**, Journal of Babylon University , Series of engineering sciences, Iraq, vol.14,no.5, 2006.
- "One Dimensional Composite Axial Finite Element Including Bonding Slip"**, Journal of Babylon University , Series of engineering sciences, Iraq, vol.14,no.5, 2006.
- "Optimal Design of Plate and Shell Structures Based on Nonlinear Finite Element Analysis"**, Journal of Babylon University , Series of engineering sciences, Iraq, vol.14,no.5, 2007.
- "Nonlinear Analysis of Reinforced Concrete Space Frames Under Cyclic Loading"**, Journal of Babylon University , Series of engineering sciences, Iraq, vol.16,no.1 , 2008.

- **"Finite Element Analysis of Prestressed Concrete Beams Subjected to Combined Shear and Torsion"**, Journal of Babylon University , Series of engineering sciences, Iraq, vol.15,no.3, 2008.
- **"Nonlinear Dynamic Analysis of Laminated Composite Plates Under In-Plane Compressive Loads "**, Journal of Al-Qadisiya of engineering sciences, Iraq, accepted for publication at 26/1/2009.
- **"Large Displacement Elastic-Plastic Analysis of Laminated Composite Plates Under In-Plane Compressive Load "**, Journal of Al-Qadisiya of engineering sciences, Iraq, vol.2,no.2, 2009.
- **"Nonlinear Analysis of Reinforced Concrete Members with Embedded Precast Prestressed Concrete Units"**, Journal of Babylon University , Series of engineering sciences, Iraq, vol.20,no.4, 2012.
- **"Behavior of One-Way Concrete Slabs with Edge Beams Reinforced/ Strengthened by CFRP Rods under Uniformly Distributed Load"**, Int. Conference on Textile Composites and Inflatable Structures-Structural Membranes 2013, Munich, Germany.
- **"Behavior of Reinforced Concrete Short Rectangular Columns Strengthened by Steel Lattice Framed Jacket"**, XIII Int. Conference on Computational Plasticity, Fundamentals and Applications , 2015 , Barcelona, Spain.
- **"Behavior of Self-Compacting RC Simply Supported Beams Strengthened with NSM CFRP Composites"**, The 2nd Int. Conference on Buildings, Construction, and Environmental Engineering , 2015 Beirut, Lebanon.
- **" Behavior of Composite Construction Precast Reactive Powder RC Girder and Ordinary RC Deck Slab"**, 18th Int. Conference on Civil Society and Building Materials, 2016, Miami, USA.
- **"Experimental and Numerical Investigation on The Punching Behavior of High Strength R.C. Flat Slab Under Repeated Load"**, Journal of Babylon University , Series of engineering sciences, Iraq, vol.25,no.1, 2017.
- **"Flexural Behavior of Light Weight Concrete Slab Panels Reinforced with CFRP Bars "**, Journal of Al-Qadisiya of engineering sciences, Iraq, vol.10,no.4, 2017.

**-“Enhancing The Punching Behavior of High Strength Concrete Flat Plates Subjected to Repeated Load by Using Shear Reinforcement”**, Journal of Babylon University , Series of engineering sciences, Iraq, vol.26,no.1, 2018.

**- “Behavior of Reinforced Concrete Hybrid Trapezoidal Box Girders Using Ordinary and Highly Strength Concrete”**, Journal of Babylon University , Series of engineering sciences, Iraq, vol.26,no.6, 2018.

### *9.3. Supervision on Graduate Theses:*

**-Behavior and Optimal Design of Space Steel Frames Subjected to Earthquake Forces Based on Non Linear Analysis**, Ph.D. Thesis.

**- Nonlinear Analysis of Reinforced Concrete Space Frames Under Cyclic Loading Including Time Dependent Effects**, Ph.D. Thesis.

**-Nonlinear Static and Dynamic analysis of Laminated Plates Under In-Plane Forces**, Ph.D. Thesis.

**-Nonlinear Analysis of Prestressed Concrete Beams Subjected to Combined Shear and Torsion**, M.Sc. Thesis.

**-Nonlinear Analysis of Cellular Plate Structures With Linearly Varying Depth**, M.Sc.Thesis.

**-Large Displacement and Post Buckling Analysis of Non-Prismatic Members in Plane Frames under Static and Dynamic Loads**, M.Sc.Thesis.

**-Large Displacement Elastic Stability Analysis of Plane Steel Frames Including Shear and Damping**, M.Sc.Thesis .

**-Nonlinear Analysis and Optimal Design of Reinforced Concrete Plates and Shells**, M.Sc.Thesis .

**-Large Deformation Transient Response of Metallic Plane Frame by The Method of Characteristics**, M.Sc.Thesis .

**-Nonlinear Finite Element Analysis Of Reinforced Concrete Deep beams with Openings**, M.Sc.Thesis .

**-Elasto-Plastic Finite Element Analysis of Thick Metal Plates under Transverse Dynamic Loads**, M.Sc.Thesis .

- Nonlinear Finite Element Analysis of Flat and Slightly Curved Concrete Slabs**, M.Sc.Thesis.
- Static and Free Vibration nonlinear Analysis of Driven Piles**, M.Sc.Thesis .
- Optimal Design of Steel Rectangular Tanks on Elastic Foundation Based on Nonlinear Analysis**, M.Sc.Thesis .
- Nonlinear Behavior of Folded of Folded Plate Structures**, M.Sc.Thesis .
- Nonlinear Analysis of Reinforced Concrete Folded Plates by Finite Strip Method**, M.Sc.Thesis .
- Structural Behavior of Piles During Driving**, M.Sc.Thesis .
- Nonlinear Analysis of Reinforced Concrete Plane Frames Under Cyclic Loading**, M.Sc.Thesis . .
- Optimal Design of Plate and Shell Structures Based on Nonlinear Finite Element Analysis**, M.Sc.Thesis . .
- Large Displacement and Post Buckling Analysis of Steel Frames With Non-Prismatic Members and Nonlinear Flexible Connections under Static Load**, M.Sc.Thesis .
- Nonlinear Analysis of Reinforced Concrete Plane Frames under Moving Load**, M.Sc.Thesis ..
- Inelastic Analysis and Optimal Design of Reinforced Concrete Frames With Non-prismatic Members**, M.Sc.Thesis .
- Elastic Stability of Plates on /or Driven into Elastic Foundation**, M.Sc. Thesis .
- Elasto-Plastic Large Displacement Stability Analysis of Plane Steel Frames Under Static Load ( Post-Buckling Behavior )**, M.Sc.Thesis .
- Optimal Design of Reinforced Concrete Space Structures Based on Nonlinear Analysis** .
- Finite Element Dynamic Analysis of Laminated Composite Plates Including Damping Effect**, M.Sc.Thesis . .

**-Large Displacement and Post Buckling Analysis of Plane Steel Structures with Non-Prismatic Members Resting on Elastic Foundation, M.Sc.Thesis .**

**-Post-Buckling Analysis of Steel Plane Frames on Elastic Foundation With Flexible Connections, M.Sc.Thesis .**

**-Nonlinear Finite Element Analysis of reinforced Concrete Cylindrical Shells and Folded Plates with Edge Beams, M.Sc.Thesis .**

*9.4. Participation in Int. Conferences:*

- Int. Conference on Computational Methods for Coupled Problems in Science and Engineering - Coupled Problems 2005 , © CIMNE , Santorini Island, Greece.**
- Int. Conference on Textile Composites and Inflatable Structures- Structural Membranes 2013, Munich, Germany.**
- Int. Conference on Computational Plasticity: Fundamentals and Applications 2015, Barcelona, Spain.**
- Int. Conference on Buildings, Construction and Environmental Engineering 2015, Beirut, Lebanon.**

**Address:  
UNIVERSITY OF BABYLON  
Babylon  
Hilla – Iraq**

**Mobile: 07801030913  
07903844629**

**E-mail : [namer\\_alwash@yahoo.com](mailto:namer_alwash@yahoo.com)**