

Name

Maged Abdel-Ghaffar Moussa

Gradual Jobs

- Lecturer, El-Shorook Higher Institute 2011- Meantime
- Lecturer, Arab academy for Science, 2009-2011
Technology and Maritime transport
- Head of Civil Engineering • 2001 – 2009
Consultant Office CECO, Civil
Eng. lecturer
- Head of Civil Engineering • 1999 - 2001, Military Technical
Department (MTC) College.
- Lecturer • 1994 -1999, Military Technical
College
- Ph.D. Student • 1990 - 1994, Southampton University
- Lecturer Assistant • 1989 - 1990, Military Technical
College
- Researcher • 1982-1988, Military Technical
College
- Engineering Field Work • 1979 -1981, The Egyptian Army
(Officer)

Educational Experience

Military Technical College.

Southampton University.

Arab Academy for Science & Technology & Maritime Transport.

El-Shorook High Institute of Engineering

Fields of Experience

- 1- Teaching of civil engineering courses for the students of: Military Technical College - Arab Academy for Science and Technology, and Sorok High Institute.
- 2- Upgrading of civil engineering courses
- 3- Properties of Building Materials.
- 4- Concrete Technology.
- 5- Strengthening & Repair of Reinforced Concrete Structures.
- 6- Composite Constructions of Steel and Concrete.
- 7- Finite Element Modeling of Structures using Major F.E. Packages (ANSYS).
- 8- Development of Special types of Concrete.
- 9- Advanced Construction Engineering. (Tunneling, Bridges, Dewatering, Shoring, Dams, and Civil Blasting)
- 10- Quality Control and Quality Assurance.

Projects and Consultant Experiences

1. **Consultant Engineer in the field of Quality Control & Material Testing.**
2. **Design of Reinforced Concrete Structures (Private houses, Industrial Buildings, Schools).**
3. **Supervision of Constructions.**
4. **Quality Control and Testing of Materials of Hundreds of Buildings.**
5. **Non-Destructive Testing of Buildings**

Scientific Research Activities

- 1- **M. A. Moussa, A. N. Sidkey The Effect of Sewerage Water on Reinforced Concrete Foundations, First Civil Eng. Conference, M. T.C. 1991**
- 2- **M. A. Mousse, A. N. Sidkey: Resistance of Concrete to Sulfate Solutions, First Civil Eng. Conference, and M. T. C. 1991**
- 3- **M. A. Moussa & C. K. Jolly: Experimental Investigation of the Behavior of Semi-Rigid Composite Connections Subject to Wind Loads, Second Civil Eng. Conference, M. T. C. 1994.**
- 4- **M. A. Moussa, M. F. Zaky, A. N. Sidkey & T. Mokhtar: Impact Resistance of Reinforced Concrete Slabs, Second Civil Eng. Conference, M. T. C. 1994.**
- 5- **M. A. Moussa, Sh. Fayed, M. Shahir: Use of Polymerized Castor as a Binding Material in Mortars, Second Civil Eng. Conference, M. T. C. 1994.**
- 6- **M. A. Moussa, A. Aggour & A. F. Farag: Impact Resistance of Strengthened R. C. Slabs.**
- 7- **M. A. Moussa, A. Aggour & A. F. Farag: Strengthening of R. C. Slabs using Ferrocement**
- 8- **M. A. Moussa, A. Aggour & A. F. Farag: Strengthening and repair of Reinforced Concrete Slabs using Glass Reinforcing Plastics.**
- 9- **M.A .Moussa: Shear Connection modeling in Composite Constructions.**
- 10- **M. A. Moussa , H. A. Hassan & A. Sanad: Finite Element Modeling of steel corrosion in Reinforced concrete cylinders.**
- 11- **M. A. Moussa , H. A. Hassan & A. Sanad: Environmental Impact on Seafont Reinforced Concrete Structures in Egypt.**

Supervised Research Work:

1. **Strengthening and repair of Reinforced Concrete Columns, M. Sc. Thesis by Eng. Abdel-Hakim El- mansoury, Civil Eng. Dept., Military Technical College, Cairo, 1996.**
2. **Strengthening and Repair of Reinforced Concrete Slabs, M. Sc. Thesis by Eng. Ahmed Fahmy Farag, Civil Eng. Dept., Military Technical College, Cairo, Egypt, 1996.**

3. **Effect of Holes in Reinforced Concrete Slabs, Ph.D. Thesis, Eng. Essam El-Teheway, Civil Eng. Dept., Military Technical College, Cairo, Egypt.**
4. **Concrete for Radiation Shielding, Ph.D. Thesis by Eng. Nedal Sharara.**
5. **Strengthening of Reinforced Concrete Frames to Resist Heavier Lateral Loads, M. Sc. by Aiman El-Demerdash, Civil Eng. Dept., Military Technical College, Cairo, Egypt.**
6. **Concrete for Radiation Shielding, Ph.D. by Neda! El-Sharara, Military Technical College, Cairo, Egypt.**
7. **Quality Control in Batch Plants, M. Sc. by Arwa Hassan Youssef, Arab Academy for Science & Technology & Maritime Transport, Alexandria, Egypt.**
8. **Quality Control by Flowcharts in Construction M. Sc. by Khaled Ragab, Arab Academy for Science & Technology & Maritime Transport, Alexandria, Egypt.**
9. **Development of New Types of Concrete for Thermal Uses, M. Sc, by Ra'ed EI-Shathley, EI-Azhar University, Cairo, Egypt.**
10. **Effect of Environmental Corrosion on Sea Front Reinforced Concrete Structures, M. Sc thesis by Hassan A. Hassan, Arab Academy for Science.**

Books (Notes and Hand Out) - Reports and Scientific Studies:

1. **Notes in Testing of Cement**
2. **Notes in Testing of Concrete Aggregates**
3. **Notes in Design of concrete structures.**
4. **Notes in Testing of Fresh and Hardened Concrete**
5. **Notes in Testing of Building Materials (Building Stones, Building Bricks and Timber).**
6. **Notes in Chemistry and Manufacture of Portland cement**
7. **Notes in Fiber Reinforced Concrete**
8. **Printed Lectures in the effect of sub-soil water on the properties of concrete**
9. **Notes in repair of reinforced concrete structures**
10. **Hand out for concrete mix design.**
11. **Hand out for repair of concrete structures.**
12. **Notes in tunneling methods.**
13. **Notes in Bridge Design and Construction.**
14. **Lectures in Quality Control in Construction.**
15. **Notes & Lectures in Advanced Construction Engineering. (Tunneling, Bridges, v Dewatering, Shoring, Dams, and Civil Blasting)**