

Mahmoud Fahmy El-Baz Ali El-Shourbagy

professor

EDUCATION

Ph. D. in Civil Engineering, Dresden University, Germany, June 1991.

M.Sc., in Public Works Engineering, Faculty of Engineering, El-Mansoura, Egypt, September 1985.

B.Sc., in Civil Engineering, Faculty of Engineering, El-Mansoura, Egypt, May 1980

ACADEMIC EXPERIENCE (FULL-TIME)

- 27/12/2009 until now: Associated professor in public works Engineering, Mansoura University.
- 30/9/1996 until 27/12/2009: Lecture in public works Engineering, Mansoura University.
- 14/1/1989 until 30/9/1996: Assistant Lecture in public works Engineering, Mansoura University.
- 6/12/1981 until 14/1/1989: Demonstrator in public works Engineering, Mansoura University.

TEACHING EXPERIENCE

Teaching and participation in teaching of many engineering subjects for students in different grades Mansoura university

- Highway Engineering.
- Traffic Engineering.
- Transport Engineering
- Steel Structure Engineering.
- Construction Project Management.
- Urban Planning.
- Design of Steel Structures.
- Engineering Economy.
- Statics & Dynamics.
- Civil Drawing.

SERVICE ACTIVITIES (INTERNAL AND EXTERNAL)

- 1980-1987 Demonstrator/ Assistant Lecturer, Faculty of Engineering, Mansoura University, Egypt.
- 1987-1991 Research and Teaching Assistant, Department of Transportation and Traffic Engineering, Dresden University, Germany.
- 1991-1999 Assistant Professor, Department of Public Works Engineering, Mansoura University, Egypt.
- 1995 (Summer) Visiting Assistant Professor, Department of Transportation and Traffic Engineering, Dresden University, Germany.
- 1996 (Summer) Visiting Assistant Professor, Department of Transportation and Traffic Engineering, Dresden University, Germany.
- 1997 (Summer) Visiting Assistant Professor, Department of Transportation and Traffic Engineering, Dresden University, Germany.

- 1999 - 2004 Associate Professor, Department of Public Works Engineering, Mansoura University, Egypt.
- 2004 - 2005 Associate Professor , Department of Civil Engineering , King Saud University, Kingdom of Saudi Arabia.
- 2005- 2011, Professor at the Civil Engineering Department in King Saud University, Kingdom of Saudi Arabia.
- 2011 - 2012 Professor at the Public Works Engineering, Mansoura University, Egypt
- 2012- 2014 Professor at the Civil Engineering Department in Najran University, Kingdom of Saudi Arabia.
- 2014 -2015 Professor and Head of Public Works Engineering Department, Faculty of Engineering, El-Mansoura University, Egypt.
- Member of the American Quality Committee ABET, College of Engineering, King Saud University, Saudi Arabia (2005-2010).
- Member of the NCAAA Local Quality Committee, College of Engineering, Najran University, Saudi Arabia (2012-2014).
- Member of the NCAAA Local Quality Committee, College of Engineering, Taibah University, Saudi Arabia (2015-2018).
- The main supervisor of the local quality work committees, Department of Public Works Engineering, Faculty of Engineering, Mansoura University, Arab Republic of Egypt.
- Author of 16 articles in international conferences and published in their proceedings.
- Author of 19 articles in scientific journals in the area of Civil Engineering.
- Author of 3 - papers in international journals in the area of Transportation Engineering.
- Author of three books in the field of Highway, Transportation and Traffic Engineering published by the Dar El-Nile, El-Mansoura, Egypt.
- Author of two- books in the field of Highway, and Traffic Engineering published by King Saud University, Kingdom of Saudi Arabia

HORT COURSES FOR PROFESSIONALS

- Long-Term Pavement Performance Data Pave Workshop, the American Society of Civil Engineers and the Federal Highway Administration United States of America, in Cooperation with College of Engineering, Cairo University, July 10, 1999, Cairo.
- Transport Planning and Traffic Management, Problems and Solutions, General Authority of Roads, Bridges, and Land, Transport (GARBLT), Ministry of Transport, 1997, Cairo, Egypt.

PROFESSIONAL EXPERIENCE

- 1981-1985 Highway Engineer (P, for Highway Projects, design and construction , Hassen El-Mangily company , El-Mansoura, Cairo, Egypt.
- 1992-1994 Transportation and Physical Planner in the General Organization of Physical Planning (Ministry of Housing and New Communities), Responsible for Economic Assessment of Street Networks of some Newly Built Towns in Egypt.
- 1994-1997 Traffic Engineering Expert, Project on the Impact of Parking Problems on the main Corridors in El-Mansoura City, this Project was Sponsored by Dakahlia Governorate.
- 1996 : shared in some international projects such as:
- National Transport Study in Egypt, Transportation Planning Centre Prof. Dr. Ibrahim El- Dimeery, Client: JICA, Japan.
- Travel Surveys and Analysis, Master Plan of Egyptian National Railways, The Transport Group Consultants, Client: JICA, Japan.
- 1997-Present, Consultant Engineer in the field of Structural , Highway and Traffic Engineering, Certificate of a Consultant Engineer from Engineering Syndicate, Cairo.

- 1997-Present Expert and Consultant on Projects Educational Buildings Authority in the field of Structural Engineering.
- 1998-Present Expert on Urban Planning Authority Projects in the field of Civil Engineering. 1995-1999 Traffic and Highway Engineering Expert, Design and Replanning of El-Fayoum City, Project was Sponsored by Fayoum Governorate.
- 1998-2000 Traffic Engineering Expert, Study of El-Gomhuria Street Corridor in El- Mansoura City, Project Conducted by Research Team from the Faculty of Engineering and financed by the Mansoura University Research Unit.
- 2000-2004 Dakahlia Governorate Consulter in the field of Structural , Highway and Traffic Engineering.
- April 2003-Juli 2003 Senior Expert, Project on the Design Criteria and Specification for Road Network Elements of Riyadh City in Saudi Arabia, M.Redha F. Kattan Eng. Consult, Riyadh, Saudi Arabia.
- April 2003-Juli 2003 Senior Expert, Project on the Study of the Highway Network of El- Kharg District and El-Dirayah City in Saudi Arabia and Evaluation of its ability to accommodate the Future Traffic Volume until year 2029, M.Redha F. Kattan Eng. Consultants, Riyadh, Saudi Arabia
- January 2004-April 2004 Senior Expert, Project on the Traffic Improvement Studies for Highway Intersections of Riyadh City in Saudi Arabia, Zuhair Fayez Partnership Consultants, Riyadh, Saudi Arabia.
- August 2004-March 2005 Senior Expert, Project on the Study of Trip Generation Rates for Different Land Use in Riyadh City for Riyadh Municipality, Zuhair Fayez Partnership Consultants, Riyadh, Saudi Arabia.
- August 2004-March 2005 Senior Expert, Traffic Impact Study Projects in Riyadh and Jedah Cities, Zuhair Fayez Partnership Consultants, Riyadh, Saudi Arabia.
- August 2005-August 2006 Principal Investigator, King Saud University/Traffic Study of main Corridors in King Saud University, Project financed by the King Saud University, Deanship of Scientific Research, Research Center, Riyadh, Kingdom of Saudi Arabia.
- 2005 – 2008 Part-time Expert Projects, Zuhair Fayez Partnership Consultants, Riyadh, Saudi Arabia.
- 2008 – 2010 Part-time Expert Projects, Dar El-Khaleej Consultants, Riyadh, Saudi Arabia.

PUBLICATIONS

- M. El-Shourbagy (2022), “ Value Engineering in Engineering Projects “2nd World summit on Automotive and Autonomous Systems Conference 2022, Abu Dhabi, UAE.– Juni 09 – 10, 2022.
- M. El-Shourbagy (2022), “ VALUE ENGINEERING IN HIGHWAY PROJECTS”, 2nd International Traffic Safety Conference 2022 (ITSC 2022), Doha, Qatar – March 21 – 22, 2022.
- M. El-Shourbagy, and Magdy A. Zahw (2020), “ EFFECT OF TRAFFIC CONTROL LIGHTS ON THE FLOW IN URBAN AREAS ” , Mansoura engineerin journal (MEJ), december, 2020, Mansoura University, Egypt.
- M. El-Shourbagy, and A. Abdel Alhal (2018), MECHANICAL CHARACTERISTICS OF RECYCLED ASPHALT BY SUPERPAVE TECHNIQUE, NAJRAN Area, KSA.“ , menufia engineering journal (MEJ), december 2018, Menufia University, Egypt.
- M. El-Shourbagy, and M. Ayman, “Fibers for improvement Mechanical Properties of Asphalt Concrete Mixtures”, civil engineering research magazine , (cern), azhar university , 2017, Cairo, Egypt.
- M. El-Shourbagy, and S. Atia (2015), “ Characteristics and Analysis of Accidents on Rural Roads (Egypt as a Case Study) ”, Mansoura engineerin journal (MEJ), december, 2015, Mansoura University, Egypt.
- M. El-Shourbagy (2014), “Noise Pollution and its Effect on Crowded Streets in Developing Cities (Mansoura City in Egypt as a Case Study) ”, Mansoura engineerin journal (MEJ), december, 2014, Mansoura University, Egypt
- M. El-Shourbagy (2012), ““Einflußgrößen auf die Verkehrsmittelwahl in Ballungsgebieten in den Ägyptischen Städten” , International IJAS Conference, Freiburg, Germany, 07 – 12 April, 2012.

- M. El-Shourbagy (2011), ““Vorschläge für die Verkehrsorganisation in der A.R.Ägypten für die Zeit nach dem Jahr 2010 ” , International IJAS Conference, Gottenheim, Freiburg, Germany, 10 – 15April, 2011.
- M. El-Shourbagy (2010), “Speed / Flow Relationship on some important Urban Arterial Roads IN EGYPT (Fayoum City as a Study Case) ” , International Journal of Civil & Environmental Engineering IJCEE / IJENS ISSN: 2077-1258, vol. (10), no. (1), FEB., 2010.
- M. El-Shourbagy (2010), “TRIP GENERATION DEVELOPMENT MODELS OF LAND USES IN DEVELOPING COUNTRIES ” , International Journal of Civil & Environmental Engineering IJCEE / IJENS ISSN: 2077-1185, vol. (10), no. (1), FEB., 2010.
- M. El-Shourbagy (2010), “TRAFFIC ANALYSIS ON MAIN CORRIDORS IN MANSOURA CITY, DAKAHLIA GOVERNORATE, EGYPT ” , International Journal of Civil & Environmental Engineering IJCEE / IJENS ISSN: 2077-1258, vol. (10), no. (1), FEB., 2010.
- M. El-Shourbagy, and M. Zahw, (2006), “ Effect of Traffic Control Lights on the Flow in Urban Areas ”, civil engineering research magazine , (cerm), azhar university, vol. (28), No. (3), Page 1030-1038, October, 2006, Cairo, Egypt.
- M. El-Shourbagy, S. El-Hamrawy, and G. Moussa (2005), “ Analysis of Heavy Duty Flexible Pavement Using Finite Element Method ”, engineering Research journal (ERJ), Juni , 2005, Minufia University, Shebin El-Kom, Egypt.
- M. El-Shourbagy, and S. El-Hamrawy, and (2005), “ Development of Large Stone Asphalt Mixtures in Saudi Arabia ”, engineering Research journal (ERJ), Juni , 2005, Minufia University, Shebin El-Kom, Egypt.
- M. El-Shourbagy, M. Abo-Hashema, and M. Abd El-Aziz (2004), “ The effect of Lime-Silica Fume Stabilizer on Engineering Properties of Clayey Subgrade”, Fourth Mansoura International Engineering Conference (4th IEC), Faculty of Engineering, Mansoura University, Egypt, April, 2004.
- M. El-Shourbagy (2004), “ Mechanical Characteristics of Recycled Asphalt in Germany ”, Fourth Mansoura International Engineering Conference (4th IEC), Faculty of Engineering, Mansoura University, Egypt, April, 2004.
- M. El-Shourbagy (2003), “ Analytical Model for Optimum Planning of Urban Transport Network ”, civil engineering research magazine, (cerm), azhar university , vol. (25), No. (1), january, 2003, Cairo, Egypt.
- M. El-Shourbagy (2004), “ Traffic Assignment Models in Developing Countries ”, civil engineering research magazine, (cerm), azhar university , vol. (25), No. (1), january, 2003, Cairo, Egypt.
- M. El-Shourbagy, S. El-Hamrawy, and A. Abdel-Baset (2003), “ Fibers for improving the Mechanical Properties of Asphalt Concrete Mixtures ”, 1st International Conference of Civil Engineering Science, Assiut, October, 2003, Assiut, Egypt.
- M. El-Shourbagy, and M. Abo-Hashema (2003), “ Ground Penetrating Radar for Highway Pavement Evaluation ”, Al-Azhar Engineering, 7th International Conference, April, 2003, Cairo, Egypt.
- M. El-Shourbagy, and S. El-Hamrawy (2002), “ Deformation Behavior of Unbound Materials Using Plate Loading Test ”, The Second Minia International Conference for Advanced Trends in Engineering (2nd MICATE), Faculty of Engineering, Minia University ,April 2002, Minia, Egypt.
- M. El-Shourbagy (2002), "characteristics of the transport in the cities and desert communities" - a symposium of urban development in the desert areas and the problems of Where construction", - October 2002 - Riyadh - Saudi Arabia.
- M. El-Shourbagy, and S. El-Hamrawy (2001), “ Characteristics and Analysis of Accidents on Rural Roads (Egypt as a Case Study) ”, Mansoura engineering journal (MEJ), december, 2001, Mansoura University, Egypt.
- M. El-Shourbagy (2001), “ Speed / Density Relationships in Arterial Roads , Mansoura engineering journal (MEJ), december, 2001, Mansoura University, Egypt.
- M. El-Shourbagy (2000), “ Traffic Flow Analysis in Urban Areas

- , International Eng. Conference , Azhar University , Cairo, Egypt, 2000.
- M. El-Shourbagy (2000), “ Prediction of Occupancy Rates and Loading of Private Cars and Trucks using Egyptian Rural Highway ”, Third Mansoura International Engineering Conference (3rd IEC), Faculty of Engineering, Mansoura University, Egypt, April, 2000.
- M. El-Shourbagy (1998), “ effect of some geometric characteristics of roads on the level of traffic accidents ”, mansoura engineering journal (MEJ), december, 1998, Mansoura University, Egypt.
- M. El-Shourbagy (1998), “ traffic characteristics and spot speed analysis in urban Areas ”, mansoura engineering journal (MEJ), december, 1998, Mansoura University, Egypt.
- M. El-Shourbagy (1997), “Urban Planning and its impact on traffic and transport problems in urban areas” - the General Conference of the Organization of Arab Institute for Urban Development - Tunisia - 1997.
- M. El-Shourbagy (1997), “ Need for effective bus transport in middle size egyptian cities”, mansoura engineering journal (MEJ), december, 1997, Mansoura University, Egypt .
- M. El-Shourbagy, and A. Wahdan (1996), “ analysis of travel time and delay of typical a trip in mansoura city ” , civil engineering research magazine , (cerm), azhar university , vol. (18), no. (1), january, 1996, Cairo, Egypt.
- M. El-Shourbagy (1995), “ Effect of the Parking Problems on One of the Main Corridors in El-Mansoura City ”, First Mansoura International Engineering Conference (1st IEC), Faculty of Engineering, Mansoura University, Egypt, 28-30 March , 1995.
- M. El-Shourbagy (1995), “Rationalization of the movement to increase the traffic flow and safety in urban areas” - Seminar on the use of technology and management techniques Modern in the municipalities "- the Arab Institute for Urban Development - Amman - Jordan - 1995.
- M. El-Shourbagy (1994), "View the impact of both warm and display the road shoulders on the road safety cell" - Journal of Arab roads -Third Issue - 1994.
- M. El-Shourbagy (1994), "Proposals to reduce the rate of traffic accidents in urban areas" - the Tenth General Conference of the Organization of Arab Cities – Institute Arab Urban Development - Dubai - UAE - 1994.
- M. El-Shourbagy, and S. Shawaly (1992), “ Public Buses and Shared Taxes Operation and Efficiency in Mansoura City “ , mansoura engineering journal (MEJ), december, 1992, Mansoura University, Egypt.

SELECT PUBLICATIONS/PRESENTATIONS (PAST 5 YEARS)

- 2015 -2018 Professor at the Civil Engineering Department in Taibah University, Kingdom of Saudi Arabia and Head of Center for Transportation Research, Studies, and Crowd Management (CTRSCM) Faculty of Engineering, Taibah University, Saudi Arabian.
- 2018 – 2020 Professor and Consultant at Civil Engineering, Mansoura University, Egypt.
- 2020 until now Professor and Head of Civil Engineering Department, Higher Nile Institute for Engineering and Technology, El-Mansoura, Egypt.