

## C.V.



1. **Name** : **Prof. Mohamed Kamel Hussien Elewa**
2. **Nationality** : Egyptian.
3. **Date & place of birth** : 14/11/1945, Kalubia – Egypt.
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### 6. Education :

From	To	Institution	Certificate	Field of Study
1962	1967	Faculty of Eng. Cairo Univ.	B.Sc.	Mechanical Eng.
2/1968	11/1968	Banki Donat Higher Institute of Technology, Budapest, Hungary.	Certificate	Technical Teaching.
4/1969	7/1969	Regional Center for Functional Literacy, Egypt.	ASFEC Diploma	Methods, Curricula & Teacher Training.
1972	1976	Scientific Institute of Work (SIW), Sofia, Bulgaria.	Ph.D.	Economical Science.

7. **Language Knowledge** : Arabic (Mother Tongue)  
English, Hungarian, Bulgarian (Good)  
French (Limited)
8. **Present occupation** : Head, Department of Management & Industrial Engineering, Editor in Chief of "Technology & Industry" Review & its "News Letter", Quality Assurance Manager, Tabbin Institute for Metallurgical Studies (TIMS), Tabbin, Cairo, Egypt  
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### 9. Employment Record:

From	To	Post Title	Employer
1967	1972	Research Officer	Central Training Organ, Cairo, Egypt.
1969	1970	Assistant Specialist	Regional Center for Functional Literacy,

			Sirs El-Layan, Egypt.
1976	1977	Research Officer	Dept. of Voc. Training planning, Ministry of Manpower & Training, Cairo, Egypt.
3/1977	8/1977	Senior Specialist	ILO Project: Modules of Employable Skills (ILO / EGY / FRG / 75) Ministry of Manpower, Cairo, Egypt.
9/1977	8/1987	Assistant Professor	School of Production Eng. & Metallurgy, UOT, Baghdad, Iraq.
9/1987	9/1990	Director, voc. Training Following-Up	Dept. of Voc. Training Following Up and Research, Ministry of Manpower & Training, Cairo, Egypt.
1988	1999	Part-time teaching staff member	Higher Institute for Production Sufficiency, Zagazig University
8/1990	7/1999	Associate Professor	Department of Engineering Economy and Industrial Management, TIMS, Cairo, Egypt.
3/1992	6/1992	Industrial Economist	World Bank Project: Environmental Assessment and Screening of the Helwan Area, TIMS, and Cairo, Egypt.
10/1991	Present	Editor in Chief of "Technology & Industry" Review. & its "News Letter"	TIMS, Cairo, Egypt.
7/1999	5/2002	Head, Department of Eng. EC. & Ind. Management	TIMS, Cairo, Egypt.
10/2000	10/2002	Project Coordinator	Egypt NSS on CDM, World Bank.
2001	2001	Economical Analyst	Federation of Egyptian Industries (FEI) & DANIDA, Project of cleaner production technologies, Egypt present status
5/2002	Present	Head, Management & Industrial Engineering Department	TIMS, Cairo, Egypt.
10/2002	2007	Project Coordinator	Capacity Development for Clean Development Mechanism – CD4CDM, UNEP
12/2002	12/2014	Executive Director	Human Recourses and Small Scale Industries Development Center - HURESID, TIMS, Cairo, Egypt.
12/2014	7/ 2018	Executive Director	Industrialization Studies & Technological Development Center - INSTED

## 10. Publication and Papers:

### A. Published books:

- A.1 Operations research for engineering management (1986)
- A.2 Planning and development of maintenance activities (1992)
- A.3 Quality control (1994)
- A 4 Productivity and work study.(2005)

### B. Books under Preparation:

- B 1 Production systems design.

### **C. Published Papers:**

- C.1 The effect of work conditions on utilization of work time in production units, SIW, Sofia, Bulgaria 1975.
- C.2 Methodological problems of measuring work time, SIW, Sofia, Bulgaria 1976.
- C.3 Problems of the scientific organization of work in unfolding resources for the rational utilization of work time, Ph.D. Thesis, SIW, Sofia, Bulgaria 1976.
- C.4 Building a mathematical model for analysis and estimating the level of work organization in industrial enterprises, Tanmiat Al-Rafidain, Iraq, January 1985.
- C.5 The effect of performance on improving productivity in an industrial enterprise, Tanmiat Al-Rafidain, Iraq, May 1985.
- C.6 The effect of work study on improving productivity, Tanmiat Al-Rafidain, Iraq, April 1986.
- C.7 The effect of Quality control on improving productivity in electrical industries, Tanmiat Al-Rafidain, Iraq, July 1986.
- C.8 Using networks in maintenance planning, Tanmiat Al-Rafidain, Iraq, December 1987.
- C.9 Feasibility study for new training centers, Ministry of Manpower & Training, Cairo 1988.
- C.10 Using O.R. techniques in distributing & transportation of cement in Iraq, Arab Land Transportation journal, Amman, Year 7 ,N° 14, 1988.
- C.11 Requirements of changes in manpower development policies to increase productivity, Bulletin, TIMS, N° 59, January 1992.
- C.12 Some problems of trained manpower development and provision in Egypt, ARAB STEEL Review, No. 204, January 1992.
- C.13 Studying the relationship between incentives and productivity, Bulletin, TIMS, N° 61, January 1993.
- C.14 The principals of relationship between manpower planning and productivity, Bulletin, TIMS, N° 64, July 1994.
- C.15 Factors affecting product unit cost in steel melting shop N° 1 – Libyan Iron & steel Company – LISCO, Misurata, Bulletin, TIMS, N° 65, January 1995.
- C.16 A methodology for Libyanization of the workforce in LISCO, Misurata, Bulletin, TIMS, N° 66, July 1995.
- C.17 Economic evaluation of improving the reheating furnace performance for efficient heating, Bulletin, TIMS, N° 71, January 1998.

### **D. Accepted Papers in conferences & seminars:**

- D.1 The strategy of replacing time by cost in industrial development, Scientific Seminar of Mustansria University, Baghdad, Iraq, April 1984.
- D.2 Technology transfer to developing countries (cases from Iraq), 1<sup>st</sup> Scientific Conference of UOT, Baghdad, Iraq, April 1984.
- D.3 Using of some quantitative techniques to control the cost of transportation (cases from Iraq), 1<sup>st</sup> Scientific Conference of UOT, Baghdad, Iraq, April 1984.

- D.4 The effect of line balancing on improving productivity in electrical industries, 2<sup>nd</sup> Scientific Seminar of the Faculty of Management & Economics, Basra University, Iraq, November 1985.
- D.5 Impact of training on labor productivity (the case of A.R. of Egypt), The Eleventh International Annual Operations Research Conference, 28-30 November 1988, Zagazig University & The Egyptian Society for O.R. Applications, Egypt.
- D.6 The role of training institutions and facilities in developing human resources assets (A case of two governorates in Egypt), Seminar of the Institute of Statistical Studies and Research, Cairo Univ., March 11-12, 1990.
- D.7 The optimum compatibility between product molds and injection machines in plastic industries, Al-Azhar Engineering Second International Conference, Cairo, Egypt, December 21-24, 1991.
- D.8 Techno-economical analysis & prospects of tinplate production in Egypt, International Symposium on Flat Steel Products Technology, Arab Iron & Steel Union, Cairo, Egypt, October 23-25, 1994.
- D.9 Productivity & energy consumption in glass making furnaces, Technologies for Energy Efficiency and Environmental Protection Conference, Cairo, Egypt, March 26-30, 1995.
- D.10 Applying an effective control system in continuous casting project at the National Metal Industries Company (NAMETIN), MES 5<sup>th</sup> International Symposium, Cairo, Egypt, March 14-16, 1996.
- D.11 Economic performance evaluation of the Automatic Rolling Shop in NAMETIN, 1<sup>st</sup> Annual Scientific Conference, Faculty of Commerce, Zagazig Univ., Egypt, April 26-27, 1997.
- D.12 Effect of improving time utilization on economic performance, Al-Azhar Engineering Fifth International Conference, Cairo, Egypt, December 19-22, 1997.
- D.13 Improving the yield coefficient of the raw material at the AR Shop in NAMETIN, Fifth International Conference On Production Engineering And Design For Development, Cairo, Egypt, April 28-30, 1998.
- D.14 The role of TIMS in human resources development, Conference of Human Resources Development in Industrial Sector and Related Services, Ministry of Industry, Cairo, Egypt, November 3-5, 1998.
- D.15 The role of reform training in developing the human resources working in the field of industrial applications of computers, 12<sup>th</sup> Conference on Mechanical Eng., Mechanical Eng. Society, Alex., Egypt, March 10-13, 1999
- D.16 Impact of market on the economy of the Egyptian Steel Industry. Arab Iron & Steel Union's International Symposium on "The situation of Iron & Steel Industry and Globalization Demands ", Cairo, Egypt, October 23-25, 1999.
- D.17 Towards an integrated strategy for reorientation and qualification of human resources in the globalization era and the relationship with cost & benefits. The 3<sup>rd</sup> Annual Scientific Conference "Management of Development in Egypt", Faculty of Commerce, Zagazig Univ., Egypt, November 7-8, 1999.

- D.18 Requirements of human resources development in facing challenges and competition. TQM & Technological Development Seminar of Al-Alhram center for Organization & Information Technology, Cairo, Egypt, February 14-16, 2000.
- D.19 Role of establishing the Egyptian Steel Forum in facing the third millennium requirements, The 2<sup>nd</sup> Regional Arab Meeting, Arab Iron & Steel Union, Abu-Dhabi, UAE, April 8-10, 2000 & Bulletin, TIMS, No. 76, July 2000.
- D.20 Energy conservation in dyeing industry, Seminar of Energy Conservation in Industry and its Environmental Effects, International Energy Foundation, Tripoli, Libya, September 19-21,2000.
- D.21 A proposed frame work for the clean development mechanism (CDM), Seminar of Energy Conservation in Industry and its Environmental Effects, International Energy Foundation, Tripoli, Libya, September 19-21,2000.
- D.22 Economics of production & using of high strength reinforced steel in concrete, AISU 6<sup>th</sup> International Steel Congress, Alex. , Egypt, October 21-23, 2000.
- D.23 Development of production and sails in Libyan Iron & Steel company – LISCO, Misurata, AISU International Symposium on Direct Reduction Technology, Cairo, Egypt, October, 21-23, 2001.
- D.24 Prospects of clean development mechanism applications, 7<sup>th</sup> Mediterranean Petroleum Conference and Exhibition, Tripoli, Libya, 15-17 Jan 2002 & The second Minia International Conference for Advanced Trends in Engineering, Minia University, Minia, Egypt, April 7-9, 2002
- D.25 Clean development mechanism prerequisites and options, 7<sup>th</sup> Mediterranean Petroleum Conference and Exhibition, Tripoli, Libya, January 15-17, 2002.
- D.26 Cleaner production technologies for melting of cast Iron in foundries, Technology Development Center, Helwan University, Cairo, May 27 – 28, 2002.
- D.27 Analysis of the environmental problems of cast iron melting in Egyptian foundries, ARABCAST 2002, Alexandria, Egypt, October 25-27,2002.
- D.28 Cleaner technologies for metal finishing, AQUATEC 2003, Cairo, Egypt, January 23 –24, 2003.
- D.29 Capacity building for clean development mechanism, 4<sup>th</sup> workshop on Energy & Environment, International Energy Foundation Tripoli, Libya, April 29-30, 2003.
- D.30 Economical, environmental & social aspects in selecting projects for clean development mechanism, 4<sup>th</sup> Workshop on Energy & Environment, International Energy Foundation, Tripoli, Libya, April 29-30, 2003 & The Second International Conference for Development in The Arab World, Assiut University, Assiut, Egypt, March 23-25,2004
- D.31 Management & financing of the proposed clean development mechanism projects in EGYPT, Third Arab Conference on Environmental Security, Alexandria, Egypt, October 3-4, 2004.

- D.32 Economic evaluation of the cleaner production technologies, International Conference & Exhibition (Envirosafe) for Environment Protection & Industrial Safety in industrial & Petroleum Companies, Cairo ,Egypt, 26-27/11/2005.
- D33 Egypt capacity development for clean development mechanism (CD4CDM) project achievements & experiences, 9<sup>th</sup> Mediterranean Petroleum Conference & Exhibition, Tripoli, Libya, 7-9/2/2006.
- D34 A proposed methodology for economical analysis of cleaner production technologies in metal foundries industry, ARABCAST 2006, Sharm El – sheikh. Egypt, 21-25/11/2006
- D35 The role of cdm projects in activating the role of industry and achieving sustainable development, 17<sup>th</sup> Conference for Mechanical Engineering, Egyptian Society of Mechanical Engineering, Alexandria, Egypt, 25-28 March, 2009
- D36 A proposed methodology for economical analysis of cleaner technologies in fossil fuels production & utilization, 1<sup>st</sup> Afro-Arab Conference in Engineering & Technical Sciences, Benghazi-Libya, 21-22 December 2010
- D37 Reduction of greenhouse gases resulting from oil operations, International Conference (13) for materials science applications in the oil industry, Benghazi-Libya, 26-27 August 2013
- D38 Studying the effect of the commitment to applying the principles of TQM on organizational excellence in the Egyptian plastic industries, The Second Conference Quality and the Future under the title "Quality from an Applied Perspective", National Quality Institute, Cairo, Egypt, 23/5/2017.
- D39 The environmental considerations in reconstruction of the affected communities by terrorist acts in the Arab World , First Scientific Engineering Conference on Reconstruction , Benghazi, Libya , February 10-11, 2018 & 22 conference of Egyptian Mechanical Engineering Society , Cairo , Egypt , March 14-15 , 2019
- D40 Applying the concepts of sustainability in planning and designing of industrial zones, EGYCAST 2022.
- D41 The reality of application of engineering management systems and their relationship to competitive advantage in industrial establishments, EGYCAST 2022

#### **E. Papers under preparation:**

- E.1 Impact of socio-economic situation in Egypt on manpower development.
- E.2 Evaluation of technical education and training policies in Egypt.
- E.3 Economics & development of maintenance in Egyptian Iron & Steel Industries.
- E.4 Managerial and/or economical education and training for the engineering students and graduates and its role in the development process of Egypt.
- E.5 Economics of vocational training in metallurgical, mining & engineering industries in Egypt.
- E6 Economics of heat treatment

#### **F. Scientific Supervision on Post-Graduate Students:**

- F.1 Applications of some scientific techniques in planning of maintenance activities, Iraq, 1984.
- F.2 Using of operations research in distributing and transporting of cement, Iraq, 1985.
- F.3 Using of some scientific techniques in production planning, Iraq, 1986.
- F.4 Manpower development (libyanisation) for Libyan Iron & Steel Company (LISCO), Misurata, 1994.
- F.5 Economics of glass making Furnaces, Egypt, 1994.
- F.6 Techno-economical analysis for alternatives of tinplate production in EISCO, Egypt, 1995.
- F.7 Economical evaluation of the continuous casting project at the National Metal Industries Company (NAMETIN), Egypt, 1995.
- F.8 Techno-economical indices for the Plate Mill Shop in EISCO after rehabilitation, Egypt, 1996.
- F.9 Improving the economic performance of the Automatic Rolling Shop in NAMETIN, Egypt, 1996.
- F.10 Economic performance assessment of NAMETIN, Egypt, 1996.
- F.11 Economics of production and use of high strength reinforced steel in concrete, Egypt, 1999.
- F.12 Performance Evaluation Of Industrial Companies – Case of Libyan Iron & Steel Company (LISCO), 2001.
- F.13 Maximization of Production Factors Utilization in Heavy Mill Section, EISCO, Egypt, 2004.
- F.14 A strategy study on the establishment & support of small & medium scale enterprises linked to large size enterprises (Libyan), Egypt, 2005.
- F.15 Techno-economical indices for substitution of natural gas for heavy fuel oil in LISCO lime plant (Libya), Egypt, 2005.
- F.16 Strategic development of aluminum industry in Libya, Egypt, 2006.
- F.17 Studying the effect of improving maintenance management system on increasing the productivity of steel melting shop number 2 in LISCO (Libya), Egypt, 2006.
- F.18 Quality standards for some exporting fruit crops, Egypt, 2006
- F.19 Studying the quality costing systems of National Trailers Company at Libya, Egypt, 2007.
- F.20 Strategic production planning in Libyan Cement Industry, Egypt, 2007
- F.21 The role of training on employees' performance of Housing & Utilities Department of Benghazi (Libya), Egypt, 2008.
- F.22 Corporate governance as a managerial and accounting approach on the light of TQM concept application on a governmental organization, Egypt, 2010
- F.23 A study in automatic alarm systems & automatic fire fighting, Egypt, 2011
- F.24 A study in applications of TQM on information centers, Egypt, 2011
- F.25 Studying the effect of the development of technical education and vocational training on the quality of human resources and increasing competitiveness, Egypt, 2012

- F.26 Total quality applications in purchasing and supplier management and its impact on the process improvement in EAMCO, Egypt.2012
- F.27 Occupational safety and health and its impact on reducing work-related injuries in the construction sector in the Kingdom of Saudi Arabia, Egypt 2012
- F.28 Study to investigate fire risk and the available safety requirements in tourism hotels at Aswan town, Egypt, 2013
- F.29 The role of TQM in improving the performance of services of the governmental authorities (Case Study: Industrial and Mining Projects Authority), Egypt, 2014
- F.30 Applications of TQM in architectural design and maintenance of police facilities, Egypt, 2014
- F.31 Application of TQM in manpower development (Case Study "SANMISR", Petroleum Company"), Egypt, 2014
- F.32 Information systems and their impact on the rationalization of strategic Decisions, Egypt, 2014
- F. 33 The role of occupational health and safety management in reducing mechanical workshops hazards in petroleum services sector , Egypt, 2014
- F. 34 Effect of (7M) on production rising of Enma Pipe Company in Benghazi – Libya, Egypt, 2014
- F.35 Measuring the managerial performance of the administrative managers of the public schools at Makaron (Benghazi – Libya), Egypt, 2014
- F.36 The role of quality of training from the perspective of TQM in improving the employee performance in Egypt Air Cargo, Egypt, 2014
- F.37 Obstacles to the application of (E-Governance) in the activity of human resources management (A field case study in private health sector in Tripoli , Libya), Egypt ,2015
- F.38 Application of TQ in processes management of plastic industries, Egypt, 2015
- F.39 Risk Assessment & Control in a Governmental Hospital in Cairo, 2016
- F.40 The Role of Training Programs on Human Resources Developing in (General Electricity Authority - Libya), 2016
- F.41 The role of automatic alarm systems in the prevention of fire hazards, Egypt, 2017
- F.42 The effectiveness of direct & indirect communication in the awareness of employees to implement the requirements of the occupational safety and health, Egypt, 2017
- F.43 The reality of the applications of management engineering systems and their relationship to the competitive advantage in industrial plants, Egypt, 2017
- F.44 Applying the concept of sustainability in planning and designing of industrial zones, Egypt, 2017
- F.45 Studying the obstacles to quality control in construction prpjcts, Egypt, 2017
- F.46 The role of senior management in the application of the principles of total quality and its impact on the performance of individuals, Egypt, 2017
- F.47 The impact of the application of engineering management method and returns on the performance of movement and transport of TIMS, Egypt, 2018
- F.48 Potential risks in the energy cables industry in Egypt, Egypt, 2020
- F.49 Applications of TQM in training-an applied study in the labs of EISC, Egypt, 2020



- F.50 The role of TQM in improving the performance of the professional workers in the architectural finishing in private sector companies, Egypt, 2021
- F.51 The role of TQM in reducing rolling defects – a case study in an iron & steel company, Egypt, 2021
- F.52 Studying the effectiveness of applying the international standard ISO 45001/2018 – an applied study in the Egyptian Company for the Manufacturing of Phosphate Fertilizers in Assiut, Egypt, 2021
- F.53 The Implementation of Lean Six Sigma Quality System to Enhance Operational Performance in a Construction Industry, Egypt, 2021
- F.54 Risk Management & Assessment in Constructional Projects (water station), Egypt, 2021
- F.55 Application of Total Quality Management in Computerization of Internal Auditing, Egypt, 2021
- F.56 The role of the Total Quality Management in improving the performance of the employees of the Property Taxes, and achieving safety and Professional health, Egypt, 2022