



El-Awady ATTIA (22)

Associate Professor

PhD of industrial systems engineering (Toulouse university – France)



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Google Scholar: 

ResearchGate: 

Scopus Author ID: 

Internet site: 

Objective

To work with a reputed university as an associate professor (for instance), that will provide me the oportuinties to utilize my teaching, research and administration skills that will help me to develop and grow my career in the field of industrial systems engineering.

Education**Ph.D. Degree**

Toulouse University / National Polytechnic Institute of Toulouse (INPT)/ ENSIACET/ Industrial engineering department

Toulouse, France
April/2013

M.Sc. Degree

Benha University

Cairo, Egypt
June/2006

B.Sc. Degree

Benha University

Cairo, Egypt, 1998

Experience

A polyvalent profile in teaching, research, industry, academic work and administration and quality Assurance.

Professional Career Experience

1/09/2019 –
currently

Associate professor at the industrial engineering department – Collage of engineering, Prince Sattam Bin Abdulaziz University.

31/07/2019 –
30/08/2019

Associate professor at the mechanical engineering department - faculty of engineering (Shoubra), Benha University, Egypt.

August 2014-
31/07/2019

Mandated to be the responsible of mechanical technology department, Al-Ameeria Integrated Technical Educational Cluster (ITEC), Educational Development Fund (EDF), Cabinet of Minister, Egypt.

The centre is Accredited by Pearson Edexcel, BTEC United Kingdom

August. 2013 –
31/7/2019

Assistant professor at the mechanical engineering department - faculty of engineering (Shoubra), Benha University, Egypt.

September 2013-
June 2019

Part time assistant professor, Industrial engineering department, faculty of engineering, Modern Sciences and Arts University (MSA), 6 October city, Giza, Egypt.

October 2015 –
June-2017

Consultant: A member of Egyptian teamwork for a project entitled "feasibility study for establishing a vocational training centre in Egypt" **in cooperation with Korea international cooperation agency (KOICA), Republic of South Korea.**

January 2009-
April 2013

PhD student at Toulouse University / INPT/ ENSIACET/ Industrial systems engineering department, LGC-UMR-CNRS 5503/PSI, Toulouse, France

December 2006-
July 2008

Industrial Participating with a teamwork in evaluating the equivalent monetary value of two factories (includes pricing of assets, production machines, tools, utilities...). The first factory produces artificial leather, and the second produces all types of zippers.

July. 2006 –
Dec.2008

Assistant lecturer, mechanical and production engineering department - Faculty of engineering (Shoubra), Benha University, Egypt.

Sept. 1999 – June
2006

Tutor, mechanical and production engineering department - faculty of engineering (Shoubra), Benha University, Egypt.

October 2004-

Working with "ABB transformers in Egypt" to collect the

- May 2005 required data for my master thesis on balancing assembly lines.
- Nov. 1998 – Dec. 2002 **Production Engineer:** Production and design engineer at "Tawakol Metal Industries: producer of parts by sand casting of grey cast iron, ductile iron, aluminium and bronze", Shobra-Elkhema, Egypt.
- July 1997 **Industrial Training** at "Alexandria National Iron and Steel Company (ANSDK)", Alexandria, Egypt.

Academic experience

Lecturer: Sept. 2013 – Today

- **Manufacturing Cost Analysis** Fall 2020, Fall 2021, Industrial engineering department – Collage of engineering, Prince Sattam Bin Abdulaziz University.
- **Maintenance and replacement strategies:** Spring 2020, Spring 2021, Industrial engineering department – Collage of engineering, Prince Sattam Bin Abdulaziz University.
- **Industrial System Simulation:** Fall 2020, Spring 2021 – Industrial engineering department - collage of engineering, Prince Sattam Bin Abdulaziz University.
- **Work analysis and design:** Fall 2019, Spring 2020, Fall 2020, Spring 2021, Fall 2021 – Industrial engineering department - collage of engineering, Prince Sattam Bin Abdulaziz University.
- **Industrial Operations analysis (1):** Fall 2019, Spring 2020, mechanical engineering department – industrial engineering program- collage of engineering, Prince Sattam Bin Abdulaziz University.
- **Industrial Operations analysis (2):** Fall 2019, Spring 2020, mechanical engineering department – industrial engineering program- collage of engineering, Prince Sattam Bin Abdulaziz University.
- **Quality Engineering:** Fall 2019, Spring 2020, mechanical engineering department – industrial engineering program- collage of engineering, Prince Sattam Bin Abdulaziz University.
- **Computer applications in industrial engineering,** Fall 2018, Spring 2018- Fall 2017, Summer 2017, Fall 2016, Spring 2016, Fall 2014, Fall 2013, Benha University, Faculty of engineering (Shoubra), Cairo, Egypt.
- **Maintenance management,** Spring 2018 - Spring 2017, Spring 2016, Fall 2015, Spring 2015, Spring 2014, Benha University, Faculty of engineering (Shoubra), Cairo, Egypt
- **Maintenance planning and control,** Spring 2018- Fall 2017, Fall 2015, Spring 2014, Fall 2013, Modern Sciences and Arts University (MSA) Faculty of engineering, Industrial engineering Department, 6 October city, Giza, Egypt
- **Maintenance Technology Management,** Fall 2018, Fall 2017, Fall 2016, Fall 2015, Fall 2014, Integrated technical Education clusters, Educational Development Fund (EDF), Cabinet of Minister. Cairo, Egypt.
- **Engineering costing,** Fall 2018, Modern Sciences and Arts University (MSA) Faculty of engineering, Industrial engineering Department, 6 October city, Giza, Egypt.
- **Production systems design and analysis,** Fall 2018, Fall 2017, Spring 2016, Spring 2015, Fall 2014, Spring 2014, Fall 2013, Modern Sciences and Arts University (MSA) Faculty of engineering, Industrial engineering Department, 6 October city, Giza, Egypt.
- **Computer aided manufacturing** (in cooperation with another colleague): Fall 2018, Fall 2017 - Fall 2016, Fall 2015, fall 2014, Fall 2013, Benha University, Faculty of engineering (Shoubra), Cairo, Egypt.
- **Managing the work of individuals and teams,** Spring 2018 - Spring 2016, Spring 2015, Spring 2014, Integrated technical Education clusters, Educational Development Fund (EDF), Cabinet of Minister. Cairo, Egypt.
- **Product design and development,** Spring 2018 - Spring 2017, Spring 2016, Spring 2015, Spring 2014, Benha University, Faculty of engineering (Shoubra),

Cairo, Egypt.

- **Work analysis & Productivity Enhancement**, Spring 2018 - Fall 2015, Modern Sciences and Arts University (MSA) Faculty of engineering, Industrial engineering Department, 6 October city, Giza, Egypt.
- **Total quality management**, Spring 2018 - Fall 2017 - Fall 2016, Spring 2014, Benha University, Faculty of engineering (Benha), Benha, Egypt.
- **Selected topics in industrial engineering**: Spring 2018, Spring 2017, Benha University, Faculty of engineering (Shoubra), Cairo, Egypt.
- **Project Management and leadership skills**, Spring 2017, Summer 2016, Spring 2016, Spring 2014, Fall 2013, Benha University, Faculty of engineering (Shoubra), Cairo, Egypt.
- **Productivity engineering**, Fall 2017, Benha University, Faculty of engineering (Shoubra), Cairo, Egypt.
- **Advanced operations research**: Fall 2017 Benha University, Faculty of engineering (Shoubra), Cairo, Egypt.
- **Engineering Operations Research**, Fall 2016, Benha University, Faculty of engineering (Shoubra), Cairo, Egypt.
- **Engineering Operations Research**, Spring 2016, Spring 2015, Fall 2014, Modern Sciences and Arts University (MSA) Faculty of engineering, Industrial engineering Department, 6 October city, Giza, Egypt
- **Production planning and control**, Spring 2016, Summer 2015, Benha University, Faculty of engineering (Shoubra), Cairo, Egypt.
- **Decision support systems**, Fall 2015, Benha University, Faculty of engineering (Shoubra), Cairo, Egypt.
- **Human factors engineering and ergonomics**: Fall 2016, Benha University, Faculty of engineering (Shoubra), Cairo, Egypt.
- **Manufacturing Planning and Scheduling**, Spring 2014, Integrated technical Education clusters, Educational Development Fund (EDF), Cabinet of Minister. Cairo, Egypt.
- **Production and operations management**, Spring 2014, Benha University, Faculty of engineering (Benha), Benha, Egypt.
- **Production information systems**, Fall 2013, Benha University, Faculty of engineering (Shoubra), Cairo, Egypt.

Supervisor of
graduation
projects

- **Spare parts classification and inventory management**, spring 2020, Industrial engineering department – Collage of engineering, Prince Sattam Bin Abdulaziz University.
- **Production planning a case study**, spring 2020, Industrial engineering department – Collage of engineering, Prince Sattam Bin Abdulaziz University.
- **Lean Six Sigma and theory of constraints for achieving business targets: A case study**, Fall 2020, Industrial engineering department – Collage of engineering, Prince Sattam Bin Abdulaziz University.
- **Reduction of cost of poor quality: A case study on home appliances**, 2018, Benha University, Faculty of engineering (Shoubra), Cairo Egypt.
- **Maintenance planning and scheduling: A case study on plastic manufacturing**, Spring 2018 and Fall 2017, Modern Sciences and Arts University (MSA) Faculty of engineering, Industrial engineering Department, 6 October city, Giza, Egypt.
- **Implementation of lean six-sigma and theory of constraints in yarn industry**, Spring 2018 and Fall 2017, Modern Sciences and Arts University (MSA) Faculty of engineering, Industrial engineering Department, 6 October city, Giza, Egypt.
http://central-library.msa.edu.eg/cgi-bin/koha/opac-detail.pl?biblionumber=14070&query_desc=kw%2Cwrdl%3A%20El-Awady
- **Implementation of reliability centred maintenance in textile industry**,

- Spring 2018 and Fall 2017, Modern Sciences and Arts University (MSA) Faculty of engineering, Industrial engineering Department, 6 October city, Giza, Egypt.
<http://central-library.msa.edu.eg/cgi-bin/koha/opac-detail.pl?biblionumber=14059>
- **Implementation of reliability centred maintenance in petrochemical industry**, Spring 2017 and Fall 2016, Modern Sciences and Arts University (MSA) Faculty of engineering, Industrial engineering Department, 6 October city, Giza, Egypt.
 - **Design and analysis of production line for tungsten heavy alloy**, 2017 Benha University, Faculty of engineering (Shoubra), Cairo Egypt.
 - **A proposed layout for a ceiling fan factory**, Fall 2015 and Spring 2015, Modern Sciences and Arts University (MSA) Faculty of engineering, Industrial engineering Department, 6 October city, Giza, Egypt.
<http://central-library.msa.edu.eg/cgi-bin/koha/opac-detail.pl?biblionumber=236>
 - **Forecasting of manpower Capacity Required Under Learning Curve**, Fall 2015 & Spring 2016, Modern Sciences and Arts University (MSA) Faculty of engineering, Industrial engineering Department, 6 October city, Giza, Egypt.
<http://central-library.msa.edu.eg/cgi-bin/koha/opac-detail.pl?biblionumber=3962>
 - **Aggregate Production Planning considering productivity development**, Fall 2015 & Spring 2016, Modern Sciences and Arts University (MSA) Faculty of engineering, Industrial engineering Department, 6 October city, Giza, Egypt.
 - **Classification of spare parts inventory of aircrafts**, Fall 2016, Benha University, Faculty of engineering (Shoubra), Cairo Egypt.
 - **Application of Lean six sigma for Performance improvement in automobile manufacturing**, Fall 2016, Benha University, Faculty of engineering (Shoubra), Cairo Egypt.
 - **Lean Six Sigma application on glass manufacturing**, Spring 2015, Benha University, Faculty of engineering (Shoubra), Cairo Egypt.
 - **Lean Six Sigma application on chassis bracket manufacturing**, Spring 2015, Benha University, Faculty of engineering (Shoubra), Cairo Egypt.
 - **Lean Six Sigma application on foundry**, Fall 2013, Benha University, Faculty of engineering (Shoubra), Cairo Egypt.

Teaching assistant

From 2000 to 2008, Benha University, Faculty of engineering (Shoubra), Cairo Egypt.

- Industrial Organization and Factory Planning,
- Engineering operational research,
- Workshop and production engineering
- Stress and Structural Analysis,
- Mechanical Tests,
- Machine elements and Gear box design,
- Dynamics of machines,
- Mechanical Production (Sand Casting , Metal Forming),
- Automatic Control, System Dynamic and Mechanical Vibration,
- Mechanical drawing and AUTOCAD

Ph.D. thesis

Title: *Considering the flexibility of human resources in planning and scheduling industrial activities.*

The study presented an approach to incorporate human factors during the planning and scheduling phases of industrial projects. First, it was implemented to model the problem, considering two degrees of flexibility: the annualizing of the working time (with its modulations), and the versatility of operators. The dynamics nature of employees' productivities resulting from practice and work-interruptions is also considered. After that, it was oriented to answer the question "What kind of problem is raised by the project we are facing to schedule?": therefore the different dimensions of the project are inventoried and analysed to be measured. Afterwards, a methodology to evaluate the complexity of industrial projects was developed. As well, platform software to solve the problem and construct the project baseline

schedule relying on genetic algorithms was developed. It has been validated; moreover, its parameters have been tuned to ensure the best performance, relying on an experimental design procedure. The robustness of its performance was also investigated with in-depth analysis. This research also highlights the different key parameters affecting the development of operators' versatility that can directly reduce the associated costs.

<http://ethesis.inp-toulouse.fr/archive/00002240/>

M.Sc. thesis

Title: Solving assembly line balancing problem using genetic algorithms

The work developed a mathematical model for balancing assembly line and proposed a meta-heuristic solution technique relying on genetic algorithms. The single and mixed assembly lines were considered with both deterministic and stochastic task time. The developed system has been applied in an Egyptian Company that produces electrical transformers. The study shows that batch production is the most suitable production method for this company, and the mixed model cannot be applied unless a sequencing study is done for the company. Also the study showed how to increase the productivity of the assembly line through re-distributing the work content over the line stations.

Scientific achievements

Articles published in ISI-journals

Velmurugan, K., Elavarasan, R. M., De, P. V., Karthikeyan, V., Korukonda, T. B., Dhanraj, J. A., ... & **Attia, E. A.** (2022). A Review of Heat Batteries Based PV Module Cooling—Case Studies on Performance Enhancement of Large-Scale Solar PV System. *Sustainability*, 14(4), 1963. <https://doi.org/10.3390/su14041963>

Attia, E. A., Megahed, A., AlArjani, A., Elbetar, A., & Duquenne, P. (2021). Aggregate production planning considering organizational learning with case based analysis. *Ain Shams Engineering Journal*. Volume 13, Issue 2, March 2022, 101575. <https://doi.org/10.1016/j.asej.2021.09.002>

Mostafa Elsayed, A.A. Attia, M.A. Abdelrahman, **El-Awady Attia**, Dimensioning of the hydraulic gravity energy storage system using Fuzzy logic based simulation. *Journal of Energy Storage* **2021**;42:103151. <https://doi.org/10.1016/j.est.2021.103151>.

Sameh N. Seleem, **El-Awady Attia**, Ahmed El-Assal, **2020**, "A lean manufacturing road map using Fuzzy-DEMATEL with case-based analysis", *International Journal of Lean Six Sigma*, Vol (5), No.(11), PP. 903-928, <https://doi.org/10.1108/IJLSS-12-2017-0147>

El-Awady Attia, Khaled Khader and Omayama Nada, (**2019**) "Mistake proofing cam mechanism through six-sigma process: case study on clothes printing machines". *International Journal of Engineering (ISSN 1728-1431)*, 32(3), 438-444. <https://iranjournals.nlai.ir/handle/123456789/336622>

Mohamed H. Essawy, **El-Awady Attia**, Ahmed M. ElAssal (**2019**) "An integrated model for achieving business strategic objectives with a case study", *International Journal of Six Sigma and Competitive Advantage*. 11(4), 253-276. <https://doi.org/10.1504/IJSSCA.2019.103557>

Ahmed Karam, **El-Awady Attia**, (2019), "Integrating collaborative and outsourcing strategies for yard trucks assignment in ports with multiple container terminals", ***Accepted for publication in the International Journal of Logistics Systems and Management***, Vol. 32, N.3 PP. 372 - 391. (DOI: [10.1504/IJLSM.2019.098324](https://doi.org/10.1504/IJLSM.2019.098324))

Sameh N. Seleem, **El-Awady Attia**, Ahmed El-Assal, 2017, "Identification of critical success factors for lean manufacturing using fuzzy DEMATEL method", *Journal of engineering and applied science*, Vol 64, No 2, PP. 141-163.

Sameh N. Seleem, **El-Awady Attia**, Ahmed El-Assal, 2016, "Managing performance improvement initiatives using DEMATEL method with application case study", *Production Planning & Control*, Vol(27), No.(7-8), PP. 637- 649, (Doi:10.1080/09537287.2016.1165301) (<http://www.tandfonline.com/doi/full/10.1080/09537287.2016.1165301>)

Abu-El-Fadl, **El-Awady Attia**, E.H. Mansour, A.M. Gaafer, T.S. Mahmoud, 2016. "Effect of grain refining, mould material and pouring temperature on the microstructural characteristics of AA6063 aluminum alloy feedstocks produced using low superheat casting". Materials Science: An Indian Journal. 14(12), pp. 494-502. (<http://www.tsijournals.com/toc/article.php?id=10285>)

E.Y. El-Kady, I.S. El-Mahallawi, T.S. Mahmoud, **E.A. Attia**, S.S. Mohammed, A. Monir, 2016. "Optimization of the cooling slope casting parameters for producing aa7075 wrought aluminum alloy thixotropic feedstock". Materials Science: An Indian Journal. 14(8), pp. 297-287. (<http://www.tsijournals.com/toc/article.php?id=9582>)

E.Y. El-Kady, T.S. Mahmoud*, H.M. Zakaria, **El-Awady Attia**, M.F. El-Sherbiny, 2016. "Optimization of the low superheat casting process parameters for producing of thixotropic a356 alloy feedstock". Materials Science: An Indian Journal. 14(7), pp. 246-254. (<http://www.tsijournals.com/toc/article.php?id=9552>)

Adss D.M., **Attia E.A.**, Mansour S.H., Mahmoud T.S., El-Mahallawi I.S., Khalifa T.A. 2016. On the production of al-a356 alloy semi-solid feedstock using cooling slope casting technique. Materials Science: An Indian Journal. 14(6), pp. 208-220. (<http://www.tsijournals.com/toc/article.php?id=9501>)

Attia, E.-A., Duquenne, P., Le-Lann, J.M. 2014. Considering skills evolutions in multi-skilled workforce allocation with flexible working hours, international journal of Production Research, Vol.52 (15), pp. 4548-4573 (DOI:10.1080/00207543.2013.877613), <http://www.tandfonline.com/doi/abs/10.1080/00207543.2013.877613>

Attia, E.-A., Edi, H.K., Duquenne, P., 2012. Flexible resources allocation techniques: characteristics and modelling. International journal of Operational Research 14 (2), 221-254. (DOI: 10.1504/IJOR.2012.046649), <http://www.inderscienceonline.com/doi/abs/10.1504/IJOR.2012.046649>

Fathi Almbstot, Ahmed El-Assal, **El-Awady Attia**, (2021) "Measuring Performance of Food Supply Chain in Libyan Industrial Organizations: A Balanced Scorecard Approach". Presented in the 4th Conference on Engineering Science and Technology (CEST-2021), 14-16 December 2021, Zliten, Libya

Seleem S. N., **Attia E.-A.**, El-Assal A., 2018. "Identification of critical success factors for total productive maintenance". In the proceeding of the 18th International Conference on Applied Mechanics & Mechanical Engineering, pp 156-169, April 3-5, 2018, Military Technical College, Cairo, Egypt .

Khader K. M., Nada O. A. and **Attia E.-A.**, 2018. "Design of a Combined Tube Feeding and Cutting Mechanism Using Design for Six Sigma Approach". In the proceeding of the 18th International Conference on Applied Mechanics & Mechanical Engineering, pp 140 -155, April 3-5, 2018, Military Technical College, Cairo, Egypt.

Zain Alabdeen SUGHAYER, **El-Awady Attia**, and Ahmed El-Assal, 2017. Spare Parts Classification in Marine Rescue and Fire Services' Stores with Case Study, In the proceeding of the International Conference on Industrial Design Engineering (ICIDE 2017), Dubai, UAE, December 29-31.

ACM ISBN 9781450348669 <http://www.icide.org/2017.html>
<https://dl.acm.org/citation.cfm?id=3178270>

Mohamed Haidar, **El-Awady Attia**, and Ahmed El-Assal, 2017. Prioritization of failure modes of fire and rescue vessels with application case study, In the proceeding of the 7th International Conference on Industrial Engineering and Systems Management, pp. 329-334, October 11 – 13, Saarbrücken, Germany. https://www.htwsaar.de/wiwi/Forschung%20und%20Wissenstransfer/publikationen/dateien/Proceedings_IESM2017.pdf

Ahmed Karam, **El-Awady Attia**, and Philippe Duquenne. (2017), "A MILP model for an integrated project scheduling and multi-skilled workforce allocation with flexible working hours". Presented in 20th IFAC World Congress, (IFAC WC 2017), 9-14 July,

Toulouse, France, IFAC PapersOnLine 50-1 (2017) 13964 – 13969.
<http://www.sciencedirect.com/science/article/pii/S2405896317328951>

Attia, El-Awady, Ashraf Megahed, and Philippe Duquenne, (2016). Towards a Learning Curve for Electric Motors Production under Organizational Learning via Shop Floor Data. *Presented In* IFAC Conference on the Manufacturing Modelling, Management & Control. Troyes, France.(doi:10.1016/j.ifacol.2016.07.587)
<http://www.sciencedirect.com/science/article/pii/S2405896316308473>

Attia E.-A., Megahed A., Baioumy S., Elbetar A., Duquenne P., 2016, "Aggregate Production Planning Considering Performance Evolution: A Case Study". Presented in: 17th International Conference on Applied Mechanics & Mechanical Engineering, April 19-21, 2016, Military Technical College, Cairo, Egypt.
http://www.mtc.edu.eg/publication/pub/Issues/IssuesPaper/20170111_114922.pdf

Amer M. A.; **Attia E.-A.**, Baioumy S., 2016, "A multi-stage supply chain system controlled by Kanban". Presented in: 17th International Conference on Applied Mechanics & Mechanical Engineering, April 19-21, 2016, Military Technical College, Cairo, Egypt.
http://www.mtc.edu.eg/publication/pub/Issues/IssuesPaper/20170111_115013.pdf

Adss D.M., **Attia E.-A.** Mahmoud T.S. EL-Mahallawi I.S. Khalifa T.A., 2015, "Effect of Cooling Slope Casting Parameters on the Thixotropic Microstructure of A356 Aluminum Alloy", Presented in 16th International Conference on Aerospace Science & Aviation Technology (ASAT-16), May 26 - 28, 2015, Cairo, Egypt.

Mahmoud S., **Attia E.-A.**, Ellassal A., 2015, Managing Performance Improvement Initiatives: Case Study at ELARABY Group in Egypt, presented in Industry Academia Collaboration technology for development, 6th to 8th April 2015, Cairo, Egypt.

Essawy M., **Attia E.-A.**, Ellassal A., 2015, QFD model for product progress: A case study at ELARABY manufacturing company, presented in Industry Academia Collaboration technology for development, 6th to 8th April 2015, Cairo, Egypt.

Mahmoud S., **Attia E.-A.**, Ellassal A., 2014, A frame work for selecting performance improvement initiatives, presented in Al-Azhar Engineering Thirteenth International Conference. December, 23-25, Cairo, Egypt.

Essawy M., **Attia E.-A.**, Ellassal A., 2014, Improving product manufacturing process using QFD methodology, presented in Al-Azhar Engineering Thirteenth International Conference. December, 23-25, Cairo, Egypt.

Attia, E.-A., Dumbrava, V., Duquenne, P., 2012. Factors affecting the development of workforce versatility, In: 14th IFAC Symposium on Information Control Problems in Manufacturing. May 23-25, Bucharest, Romania.

<http://www.sciencedirect.com/science/article/pii/S1474667016333183>

Attia, E.-A., Edi, H.K., Duquenne, P., 2012. A greedy heuristic approach for the project scheduling with labour allocation problem. In: Al-Azhar Engineering Twelfth International Conference. December, 25-27, Cairo, Egypt, pp.173-196.
http://oatao.univ-toulouse.fr/8917/1/Attia_8917.pdf

Attia, E.-A., Duquenne, P., Le-Lann, J.-M., 2012. Decision-based genetic algorithms for solving multi-period project scheduling with dynamically experienced workforce, In: 9th International Conference on Modeling, Optimization & SIMulation, MOSIM-2012, 6-8 June, Bordeaux, France. Pages 10.

<http://oatao.univ-toulouse.fr/8916/>

ATTIA, E. A., Soliman, M.M., Gomaa, A. H., Zahran, M. Z., 2008. Solving assembly line balancing problem using genetic algorithms, 43rd Annual Conference on Statistics, Computer Science, and Operations Research, In the Occasion of the 1st Centennial for Cairo University (1908-2008), December, 22-25, 2008, Cairo, Egypt.

Conferences

Fathi Almbot, Ahmed El-Assal, **El-Awady Attia, 2021** "Measuring Performance of

with review

Food Supply Chain in Libyan Industrial Organizations: A Balanced Scorecard Approach" presented in the 4th Conference on Engineering Science and Technology-CEST-2021, *Zliten-Libya 14th – 16th Dec 2021*.

Attia, E.-A., Duquenne, P., Le-Lann, J.-M., 2013. Évaluation de la complexité des projets basée sur une analyse en composantes principales, In 10e congrès international de génie industriel, CIGI-2013, La Rochelle 12-14 juin 2013, France.

Attia, E.-A., Duquenne, P., Le-Lann, J.-M., 2011. Affectation flexible des effectifs : Vers un modèle de gestion des compétences. In: XIII^{ème} Congrès de la Société Française de Génie des Procédés, (SFGP-2011), 29/Novembre au 1/décembre 2011, Lille, France.

<http://oatao.univ-toulouse.fr/8912/>

Attia, E.-A., Duquenne, P., Le-Lann, J.-M., 2011. Prise en compte des évolutions de compétences pour les ressources humaines. In : 9eme congrès international de génie industriel, CIGI-2011, 12-14 October 2011, Saint-Sauveur, Québec, Canada.

<http://www.simagi.polymtl.ca/cigi2011/articles/Attia-Prise.pdf>

Attia, E.-A., Duquenne, P., Le-Lann, J.-M., 2011. Problème d'affectation flexible des ressources humaines: Un modèle dynamique. 12^{ème} congrès annuel de la Société Française de Recherche Opérationnelle et d'Aide à la Décision (ROADEF 2011), Saint-Etienne, France.

<http://oatao.univ-toulouse.fr/8910/>

Thesis supervisor**Degree: PhD**

Researcher name: Nora Ibraheem

Topic: *Managing of cellular manufacturing considering human factor*

Status: **In Progress**

Institution: Benha university, faculty of engineering (Shoubra), Cairo, Egypt.

Degree: Master

Researcher name: Osama Sobhy Mohammed

Topic: Supply chain risk management.

Status: **In Progress**

Institution: Benha university, faculty of engineering (Benha), Benha, Egypt.

Degree: PhD

Researcher name: Sameh Mahmoud

Topic: *Selecting performance improvement initiatives: An integrated model*

Status: Defended

Institution: Benha university, faculty of engineering (Benha), Benha, Egypt.

Degree: PhD

Researcher name: Mohamed Essawy

Topic: *AHP-Fuzzy-QFD Integrated Model for Improving Product Quality*

Status: Defended

Institution: Benha university, faculty of engineering (Benha), Benha, Egypt.

Degree: Master

Researcher name: Mohammad Muosa Haidar

Topic: Prioritization of failure modes of fire and rescue vessels with application case study.

Status: Defended May Jan – 9- 2020

Institution: Benha university, faculty of engineering (Benha), Benha, Egypt

Degree: Master

Researcher name: Zain Alabdeen sughayer

Topic: Spare parts classification in marine rescue and fire services' stores with application case study.

Status: Defended May Jan – 9- 2020

Institution: Benha university, faculty of engineering (Benha), Benha, Egypt.

Degree: Master

Researcher name: Maha Abd Elhameed Amer

Topic: Integrated Supply Chain Controlled by Kanban Mechanism

Status: Defended May 25 - 2017

Institution: Benha university, faculty of engineering (Benha), Benha, Egypt.

Degree: Master

Researcher ame: Ashraf Megahed Gouda

Topic: Improving performance using Aggregate production planning

Status: **Defended Septembr 24 – 2016**

Institution: Benha university, faculty of engineering (Benha), Benha, Egypt.

Scientific reviewing activities

- February 2022, reviewer for 10th IFAC conference on manufacturing modelling, management and control, 22-24 July, Nantes France.
- One of the scientific reviewers committee of "18th International Conference on Applied Mechanics & Mechanical Engineering, April 3-5, 2018, Military Technical College, Cairo, Egypt".
- One of the international committee of "International Conference on Industrial Design Engineering (ICIDE 2017), Dubai, UAE, December 29-31, 2017.
- Reviewed articles for the 10th International Conference on Advances in Mechanical Design and Manufacturing, December 2017, Cairo, Egypt. IEEE
- Reviewed many manuscripts for the journal of "Computer & Industrial Engineering"
- August 2017, reviewed article for "International Journal of Industrial and Systems Engineering".
- December 2016, reviewer for 20th IFAC World Congress, (IFAC WC 2017), 9-14 July, Toulouse, France.
- One of the scientific reviewers committee of "17th International Conference on Applied Mechanics & Mechanical Engineering, April 19-21, 2016, Military Technical College, Cairo, Egypt".
- One of the scientific reviewers committee of "15th IFAC Symposium on Information Control Problems in Manufacturing — INCOM 2015".
<http://www.sciencedirect.com/science/article/pii/S2405896315007739>
- Reviewed many scientific articles for the "International journal of production research".
2015: <http://www.tandfonline.com/doi/abs/10.1080/00207543.2015.1129747>
2014: <http://www.tandfonline.com/doi/full/10.1080/00207543.2014.982926#.Vv--TzFGSt0>
2013: <http://www.tandfonline.com/doi/full/10.1080/00207543.2013.870318>
2012: <http://www.tandfonline.com/doi/abs/10.1080/00207543.2012.734123?j>

Training and workshops

2018	Self-evaluation and assessment	Benha University, Egypt.
2017	Getting Ready to teach the new BTEC Higher Nationals in Engineering	Trained by Pearson- members from united kingdom, Cairo, Egypt
2016	Managers training program	Global Institute for transferring Skills (GIFTS), 11 -22 July 2016, Seoul & Incheon, South Korea
2014	Comprehensive BTEC Assessment, Verification and Portfolio Building Workshop	A workshop in PEARSON-EDEXCEL rules for delivery, assignment development, assessment, internal verifications, administration work. Trained by Pearson- members, united kingdom. 24-27 November 2014
2014	Managing time and meeting	Benha University, Egypt.

2014	Effective presentation	Benha University, Egypt.
2013	Self evaluation and external reviewing	Benha University, Egypt.
2013	Statistical analysis in scientific research (SPSS)	Benha University, Egypt.
2013	University Management	Benha University, Egypt.
2012	Supply Chain Management	Paul Sabatier University, Toulouse, France
2011	Heuristic optimization	L'ISAE, Toulouse, France
2010	Project's fundamental knowledge	INPT/ Formation continue – Toulouse, France
2010	Cost control	INPT/ Formation continue – Toulouse, France
2010	Evaluation and estimation of investments	INPT/ Formation continue – Toulouse, France
2010	Operational planning	INPT/ Formation continue – Toulouse, France
2010	Meeting management	Toulouse University– Toulouse, France
2010	Project management	Toulouse University– Toulouse, France
2009	Communications and public speaking	Toulouse University– Toulouse, France
2009	Personal assessment and professional project	Toulouse University– Toulouse, France
2009	Scheduling of industrial systems	LAAS/ Paul Sabatier University - Toulouse, France
2008	ICDL (All modules)	ITTC-Campus, Cairo, Egypt
2008	French language (400 hours)	Centre Français de Culture et de Coopération "CFCC", Cairo, Egypt.
2006	Using and maintenance of Educational aid Projection Instruments, Production of Educational Material,	Benha University, Egypt.
2006	Effective Teaching	Benha University, Egypt.
2005	Scientific Thinking Methods	Benha University, Egypt.
2005	Effective Presentation Methods	Benha University, Egypt.
2000	Introduction to PLC, Control & Instrumentation Systems Tech.	SHAKER Consultancy Group, Cairo, Egypt.
2000	Maintenance Management and Planning,	Higher Technological Institute. Tenth of Ramadan City, Egypt.

Special Skills Managerial Skills:

- Highly skilled in working with teams
- Team leader skills
- Communications skills

Computer Skills:

A skilful computer user of the following applications:

- Basic software: Windows, Microsoft offices (Word, Excel, power point, and access), Internet, and document preparation with "LaTeX"
- Illustration development software, such as: Microsoft Visio, Adobe-Indesign, bizagi process modelling,
- Development Software, such as: Visual Basic, Visual studio C++ , MATLAB,

- Optimization software, such as: IBM ILOG Optimizer (Constraint programming, CPLEX), GAMS, Lingo.
- Computerized maintenance management systems e.g. "Fiix",
- Statistical analysis software such as: SSPS, MINITAB, XLSTAT (Addinsoft),
- Simulation software such as: Arena,
- Project planning and scheduling software (e.g. Microsoft project),
- Drawing software such as "AUTOCAD", "Solidworks"

Languages

- English (very good),
- French (very good),
- Arabic (native)

Personal Data

7/9/1975
Dakahlia-Egypt
Egyptian

References

- | | | |
|------------------------------------|---|---|
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Documented Furnished upon request
References