

# Curriculum Vitae

**Prof. Ahmed W .Moustafa**

**Professor of Product Design & Ergonomics**

## Personal Data:

Name: **Ahmed Waheed Moustafa Aly Saleh**  
Current Position: **Emeritus Professor** of Product Design & Ergonomics  
**Editor in chief**, International Design Journal  
**Chairman**, Egyptian Designers Society,  
**Arts Sector Coordinator**, Qualification Committee, Supreme council of Universities, Egypt  
Previous Positions: **Dean of the School of Applied Arts**, Badr University in Cairo. (2015-2023)  
**Head of Product Design Program**, School of Applied Arts, Badr University in Cairo. (2015-2019)  
**Chairman of the Ergonomics Design Center**, Helwan University (2003-2017)  
**Head of Metal Products Dept.**, Faculty of Applied Arts, Helwan University (2003-2009).

## Contact Data:

### Home Address:

No & Street 26 Mahmoud Ellithy, Abraj Al Rahmánya, Mariotyá, Giza.

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## Birth Data:

Date of Birth: 11-8-1949 Place of Birth: Senbelawain, Al Dakahlia, Egypt.

## Qualifications:

Academic Degree	University	Country	Year
Ph.D. Engineering Production	Birmingham University	England, UK	1986
M. Sc. Engineering Production	Birmingham University	England, UK	1982
M. Sc. Industrial Design	Helwan University	Egypt.	1978
B. Sc. Metal Work,	Helwan University	Egypt.	1973

## Quality Assurance and Accreditation Activities:

- Qualified Expert in:
  - Strategic Planning
  - External Revision of Higher Education Institutions
  - E-Learning Course Development
  - Web Site Design

## Training Activities:

- 3<sup>rd</sup> Higher Education Organizations Revision Guide Issue, The National Authority for Quality Assurance in Education, NAQAAE, April 2017
- Examination and Student Evaluation, Quality Assurance Center, Helwan University march 2012
- Strategic Planning, The National Authority for Quality Assurance in Education, NAQAAE, January 2011
- External Revision of Higher Education Organizations, The National Authority for Quality Assurance in Education, NAQAAE, March 2011
- Self study for Higher Education Organizations, The National Authority for Quality Assurance in Education, NAQAAE, February 2011
- Intended Learning Outcome and curriculum maps, Self study for Higher Education Organization,, The National Authority for Quality Assurance in Education, NAQAAE, June 2011
- TOT Training of Trainers, Faculty and Leadership development Project, 2007
- E-Learning Courses Development, E-learning Center, Supreme Council of Universities march 2009

## Professional Affiliations:

- International Ergonomics Association, London UK

- Egyptian Designers Association, Egypt
- Applied Art Designers Syndicate, Egypt
- Human Factors & Ergonomics Society, Birmingham UK
- Industrial Design Society - Nottingham UK

### **Education Enhancement and Quality Assurance Projects:**

- Manager, Design Ergonomics Information Center Financed by Higher Education Enhancement Projects HEEPF
- Executive Manager and Board member, Ancient Egyptian Music revival Project Financed by Higher Education Enhancement Projects HEEPF
- Team member, Leather Production Project Financed by Higher Education Enhancement Projects HEEPF
- Executive Manager, and quality control Officer, establishing a quality assurance and accreditation unit Project Financed by Quality assurance and accreditation Project QAAP
- Teaching ICDL Courses in a project financed by ITCP
- Teaching in Training of Trainers TOT scheme in ICDL Courses in a project financed by ITCP

### **Professional Experience:**

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| ● Dean of the Faculty of Applied Arts, Badr University in Cairo.   | 2015–2023    |
| ● Editor in Chief, International Design Journal  | 2012–Present |
| ● Member of the Specialized Counseling Committee, Supreme Council of Universities, Egypt,  | 2013–2017    |
| ● Quality Expert, Quality Assurance Center, Helwan University,   | 2007–Present |
| ● Publication and Media Unit manager, Quality Assurance Center, Helwan University,   | 2014–Present |
| ● Chairman, Egyptian Designers Society,  | 2015–Present |
| ● Member of the Qualification Committee, Supreme Council of Universities, Egypt  | 2009–Present |
| ● Head of Ergonomics Information Center, Helwan University   | 2007–2016    |
| ● Secretary of the Promotion Committee Board, Faculty of Applied Arts, Helwan University , Cairo   | 2006–2010    |
| ● Executive Manager, Continuous Improvement and Qualification for Accreditation (CIQAP Project), Faculty of Applied Arts, Helwan University, Egypt | 2009–2013    |
| ● Executive Manager, Ergonomics Information Center (EIC Project), higher Education Enhancement Projects Fund (HEEPF),, Egypt                       | 2005–2008    |
| ● Member of Board, Ancient Egyptian Revival Project, Higher Education Enhancement Projects Fund (HEEPF), Egypt                                     | 2005–2008    |
| ● Member of Board, Leather Industry Project, Higher Education Enhancement Projects Fund (HEEPF), Egypt   | 2006–2007    |
| ● Manager of Quality Unit, faculty of Applied Arts, Helwan University, Egypt   | 2009–2013    |
| ● Secretary of the Faculty Board, Council of Faculty of Applied Arts, Helwan University , Cairo  | 2004–2008    |
| ● Head of Communication and Publication Unit Quality Assurance Center, Helwan University   | 2013–present |
| ● Head of Metalwork Dept., Faculty of Applied Arts, Helwan University , Cairo  | 2003–2009    |
| ● Professor Metalwork Dept., Faculty of Applied Arts, Helwan University , Cairo  | 1997–Present |
| ● Assistant Professor, Industrial Design Dept., Helwan University , Cairo  | 1991–1997    |
| ● Lecturer, Industrial Design Dept., Helwan University, Cairo  | 1986–1991    |
| ● Assistant Lecturer, Industrial Design Dept., Helwan University, Cairo.   | 1978–1986    |
| ● Tutor, Industrial Design Dept., Helwan University, Cairo   | 1973–1978    |
| ● Member of the Faculty Board for Scientific Studies and Research  | 1986–1987    |
| ● Advisor to Head of Mass Culture Sector, Ministry of Culture,   | 1989–1992    |
| ● Supervisor of the computer department, State Information Organization,   | 1989         |
| ● Administrator and Supervisor of the Computer Center, Commercial Trade Office, Ministry of supplies and internal Trades,                          | 1990         |
| ● Membership Secretary of the Designers Syndicate Supreme Board  | 1987–1988    |

- Secretary of the 3rd annual conference of the Faculty of Applied Arts 1987–1988
- Supervisor of the Computer Center Courses, State Information 1990–2005
- Administration, and/or teaching in adult education (12 different courses) 1995–2005
- Development of the Curricula (in English & in Arabic) in 15 Courses 1986–2005

### Field of Expertise:

- Design, Ergonomics, Computer-Aided Design

### Academic Experience:

#### Teaching Post-graduate Courses:

- Computer Graphics, Ergonomics, Simulation, Information Technology courses, Master and Ph.D. courses, Faculty of Applied Arts. (2000–present)
- Modeling and Programming Courses, Faculty of Physical Therapy Ph.D. Preliminary Courses, Biomechanics Department. (2008–present)
- Faculty of Tourism and Hotels, Joint Master Degree with Palermo University, "Integrated Relational Tourism", An international Master degree for Italian & Egyptian students (2008–2011)
- Computer Graphics, 3D Computer Simulation Courses, Faculty of Education, Cairo University, Ain Shams University, El Menia University, (2000–2012)
- Computer Simulation and Ergonomics Courses, Yanbu Industrial College, KSA.

#### Teaching Undergraduate courses:

- Faculty of Applied Arts, Faculty of Education, El Menia University, Faculty of Specific Education, Ain Shams University

### Conferences and workshops:

- 3rd International conference of the National Authority for Quality Assurance and Accreditation of Education Conference, Egypt April 2016
- Workshop of the National Authority for Quality Assurance and Accreditation of Education on Accreditation on new accreditation guidelines, Egypt April 2016
- 4th International conference of the faculty of Applied Arts on Design innovation, productivity and competitiveness, Helwan University, Feb. 2016
- The 11th national conference of human performance in health and disability, Kasr El Aini Medical School June 2015
- The 2nd Conference for Industrial Textile Researches, NCR, Cairo June 2013
- 2nd International conference of The Faculty of Applied Arts, Design Between Creativity and Sustainability, June 2012
- Conference on Occupational medicine and ergonomics, Egyptian society of Occupational health and fitness Apr 2010
- The 5th national conference of human performance in health and disability, Kasr El Aini Medical School April 2009
- 1st International Conference, Hot Design Topics, Helwan University, Cairo Mar 2009
- The 4th national conference of human performance in health and disability, Kasr El Aini Medical School June 2008
- 4th Impact Assessment workshop, the Conference Center, Faculty of Agriculture, Library building, Cairo University on Wednesday, Nov. 12, 2008 Nov 2008
- The 3rd national conference of human performance in health and disability, Kasr El Aini Medical School April 2007
- Conference, on rehabilitation issues of ergonomics May 2007
- 3rd Impact Assessment workshop, the Conference Center, Faculty of Agriculture, Library building, Cairo University on Tuesday, Dec. 11, 2007 Dec. 2007
- Annual Conference on "Information Technology in Higher Education: Present and Future, ITCP Cairo International Conference Centre June 2007
- 9th annual conference, Faculty of Applied Arts, Helwan University, Cairo Nov. 2006
- COMPUGRAF Conference on Computer Graphics USA Sep 2006
- Conference, on Contemporary trends in Fine Arts and Apr 2004
- Conference, on Applied Arts in a Modern World Sep. 2003
- Conference, on Computer Graphics Applications, Cairo Sep. 2002
- ATP International Conference on Computer Graphics, USA Sep 2002
- 7th annual conference, Faculty of Applied Arts, Helwan University, Cairo Nov. 2001
- 6th annual conference, Faculty of Applied Arts, Helwan University, Cairo Nov. 2000
- ATP International Conference on Computer Graphics, USA. Apr. 1999

● COMPUGRAF Conference on Computer Graphics, USA	Jan	1998
● 13th Annual conference of Ergonomics Association, UK	Sep	1994
● 13th Annual conference of Ergonomics Association, UK	Apr.	1993
● 11th Annual conference of Ergonomics Association, UK	May.	1991
● 11th Annual conference of Ergonomics Association UK	Sep	1991
● 1st Conference of the Engineering organizations in Islamic Countries, Cairo	May.	1989
● 9th Annual conference of Ergonomics Association, UK	Apr.	1989
● 3rd conference on App. Mechanics, Academy of Scientific Research, Cairo	Nov.	1988
● 3rd annual conference, Faculty of Applied Arts, Helwan University , Cairo	Nov.	1988
● 3rd annual conference, Faculty of Fine Arts, El Menia University , El Menia	Apr.	1987
● 3rd annual conference, Faculty of Physical Education, Helwan University , Cairo	Jan.	1987

### Relevant Experience:

Teaching	● Design methods
	● Creativity in Design
	● Computer Graphics, (Adobe Photoshop)
	● Computer Modeling and Simulation, (3D Studio Max, Rhino)
	● Computer Aided Drafting, (AutoCAD, Solid works)
	● Website Design, (Front Page, Web Experience, Adobe Dreamweaver)

### Project, Qulaity Assurance and Accreditation work:

● Continuous Improvement and Qualification for Accreditation (CIQAP Project), Faculty of Applied Arts, Helwan University, Egypt	2009–2013
● Ergonomics Information Center (EIC Project), higher Education Enhancement Projects Fund (HEEPF),, Egypt	2005–2008
● Ancient Egyptian Music Revival Project, Higher Education Enhancement Projects Fund (HEEPF), Egypt	2005–2008
● Leather Industry Project, Higher Education Enhancement Projects Fund (HEEPF), Egypt	2006–2007
● Founder and manager of Design Ergonomics Information Center	Feb. 2005
● Founding computer laboratories, and Computer Information Center Faculty of Applied Arts	Dec. 1989
● Development of a system for product design using computer	Nov. 1989
● Development of a system for graphics and illustration design using computer	Nov. 1989
● Design of a photogrammetric system for measuring human body dimensions and girths.	Dec. 1988
● Anthrompometry survey on a sample of the elderly female and male Egyptian population	Jul. 1988
● Anthrompometry survey on the female Egyptian population	Aug. 1991
● Anthrompometry survey on a sample of the pregnant female population in Egypt	Mar 1996
● Design and implementation of human body push, pull and lifting force measuring device.	Jan. 1999
● Anthrompometry survey on the elderly female Egyptian population	Aug. 2000

### Published papers:

#### 74 Published Articles and Papers in UK, New Zealand , Poland, & Egypt, examples:

- Ahmed W. Moustafa (2024), Anthropometry of the Hand and Product Design, International Design Journal, Vol. 14 No. 6, (November 2024), pp 21–39, DOI: 10.21608/idj.2024.378407
- Ahmed Waheed Moustafa, Mohamed Shohdy Ahmed, Alshimaa Sabry Mohamed Abdel Salam (2024) Toy Solutions for Children with Autism Spectrum Disorder Using Gamification, International Design Journal, Vol. 14 No.5, (September 2024) pp 21–42, DOI: 10.21608/idj.2024.372627
- Ahmed Waheed Moustafa, Mahmoud Abdnaby, Amara Mohammed Essawy (2024), Developing a product design process via a deeper understanding of user experience UX and collaborative design, International Design Journal, Vol. 14 No. 4, (July 2024) pp 21–28 DOI: 10.21608/idj.2024.286392.1144
- Marwa Khaled Hashem, Ahmed Waheed Moustafa, Ahmed Zaki (2024) Applicable Procedures to Design Products for Users with Special Needs Using Design Thinking, International Design Journal, Vol. 14 No. 4, (July 2024) pp 89–110, DOI: 10.21608/idj.2024.358307
- Ahmed W Moustafa (2024), Cultural Design in Relation to Consumer Product Design, International

Design Journal, Vol. 14 No. 1, (January 2024) pp 419–430

- Ahmed W Moustafa (2023), An Overview of Product Design Evaluation Methods and Techniques, *International Design Journal*, Vol. 13 No. 3, (May 2023) pp 101–113, DOI: 10.21608/idj.2023.368979
- Al-Shaimaa Sabry, Mohamed Shahdi Ahmed, Ahmed Waheed Mustafa (2023), Using gamification tools in creating design techniques for building products for autism children, *International Design Journal*, Vol. 13 No 6 (November 2023) pp 521–542, DOI: 10.21608/idj.2023.320742
- Moustafa, A. (2022). An Ergonomic Criteria for Domestic Lighting Design and Evaluation. *International Design Journal*, 12(6), 377–402. doi: 10.21608/idj.2022.378197
- Mona Abdel-Hamid Al-Agouz, Ahmed Waheed Moustafa, George Nubar Simonyan, Nada Samir Syed Hassan Mustafa (2021) Innovative coin security methods for the prevention of counterfeiting *International Design Journal*. Vol 11, No 2, March 2021, DOI: 10.21608/idj.2021.152354
- Ahmed Waheed Moustafa, Mohamed Ismail Seleem & Heba Allah El Sayed Mousa (2020) Using Contextual Inquiry in Surgical Instruments Design, *International Design Journal*. Vol 10, No 2, April 2020, DOI: 10.21608/idj.2020.81039
- Moustafa, A. W. (2019) A 3d computerized human body model of Egyptian pregnant women for design purposes, *International Design Journal*, Vol 9, No 2, April 2019
- Abeer Haraz, A. W. Moustafa, Zainab Abdel Aziz (2017) An Ergonomic Criteria for the Design of Tailoring Cutting Table, *International Design Journal*, Vol 7, No 3, July 2017 pp109–114, DOI: 10.12816/0044128
- Zainab Farghaly Abdel Hafeez, A. W. Moustafa, Hesham Assem, Asmaa Salah Esmael (2016) , A virtual Training Program on the Ironing Skills in Apparel Factories in accordance with Ergonomics regulations, *International Design Journal*, Vol 6, No 3, July 2016, pp33–51, DOI: 10.12816/0036494
- Moustafa A. W. (2016), Anthropometry of the Egyptian females' university students population, *International conference of the Faculty of Applied Arts, Helwan University*, Feb. 2016
- Moustafa A. W. (2016)" Anthropometry of the Egyptian female hand with relevance to control design", 4th International conference of the Faculty of Applied Arts, Helwan University, Cairo ( 28–29 February, 2016)
- Moustafa A. W. (2015), Ergonomic factors affecting the design of manual tools, *International Design Journal* Vol. (5), Issue (3), July 2015
- Moustafa A. W. (2015), A compilation of anthropometric data for for generic design purposes, *International Design Journal* Vol. (5), Issue (2), April 2015,
- Zainab Ahmed Abdel Aziz, Ahmed W Moustafa, Abeer Naguib El Saied Haraz (2015), An ergonomic evaluation of a sample of clothing design labs in a number of academic institutions in Egypt, *International Design Journal* Vol. (5), Issue (2), April 2015 pp327 – 339, DOI: 10.21608/idj.2015.101296
- Ahmed Waheed Moustafa (2022), An Ergonomic Criteria for Domestic Lighting Design and Evaluation, *International Design Journal* Vol. (12), Issue (6), November 2022, Page 377–401,
- Moustafa A. W. (2014), A Standardized Procedure for Large Anthropometric Surveys in Developing Countries, *International Design Journal*, Vol. (4) No (2)
- Nadia M Khalil, Ahmed Waheed Moustafa, Salam M El Hafez & Sanaa M fathy (2014) Anthropometric measurements of the human feet and its relationship to women\'s shoes design, *International Design Journal*. Vol 4, No 1, January 2014 pp 299–313, Doi:10.21608/idj.2013.376055
- Sawsan Rizk, Moustafa A. W. et al, (2013) The Effectiveness of 3D Simulation Program for Improvement of Productivity of the Egyptian Ready Made Garment Factories, *The 2nd Conference for Industrial Textile Researches, NCR, Cairo*
- Moustafa A. W (2012) Anthropometry of the Egyptian population (Female results) *International Design Journal*, Vol. (2) No (1)
- Moustafa A. W. (2008) Introducing the activities of the design ergonomics information center, *The 4th national conference of human performance in health and disability, Kasr El –Aini Medical School*
- Moustafa A. W. (2007), Ergonomic Evaluation Of Consumer Products Design Using 3D Computer Modeling, *The 3rd national conference of human performance in health and disability. Kasr El –Aini Medical School (April 2007)*
- Moustafa A. W. (2006), Ergonomics and design for the elderly, *Designers Journal* January 2006
- Moustafa A. W. (2005), The Virtual Design Class, 9th conference of the faculty of applied arts, Helwan University ,
- Moustafa A. W. (2003)" The Egyptian Elderly Population, body dimensions and physical characteristics investigated" 3D interrelationship between computers, ergonomics and product design", *Proceedings of the 21st conference on the elderly and disabled* June 2002,
- Moustafa A. W. (1999)" 3D interrelationship between computers, ergonomics and product design",

Proceedings of the 1st conference on the Egyptian designers and future challenges” held by Egyptian Designers Society, March 1999,

- Moustafa A. W. and R. A. Amish (1997) In search for an integrated systematic approach for teaching ergonomics to product design students, Sciences and Arts, Helwan University , Vol. 9(3)pp:13-22
- Moustafa A. W. (1997) Ergonomic Evaluation of consumer product design using 3D Computer Graphic Modeling, 1st Conference on Environment, Helwan University , Cairo.
- Moustafa A. W. (1995) A Biomechanical Model of the Egyptian Elderly population, 32nd annual conference on human factors and ergonomics, Vol. 2, PP 495-515
- Moustafa A. W. (1994) The Feasibility of a Computer Aided Product Design Education and Practice System, 2nd International Conference on Computer Engineering Applications, Yanbu. PP 51-67
- Moustafa A. W. and B.T. Davies (1994) Standardization of the planning and execution of anthropometric surveys, 31st annual conference on human factors and ergonomics, Vol. 4, pp 375-398
- Moustafa A. W. and Nahid Abdel Reheem (1993) “Functional muscle strength of an Egyptian elderly male sample”, The Journal of Hum. Res., Poland Vol. 32 (1):PP 31-42.
- Moustafa A. W. (1993) Human Factors and the responsibility of product designers, Behaviorometric Vol. 17(2), PP 56-71
- Moustafa A. W. (1992) "Computers in industrial design, an educational approach", Design Research Vol. 11, No 6, pp 550-562.
- Moustafa A. W. (1992)" ,“A survey on the most commonly used body dimensions of elderly people", The J. of Sport. Sc. Vol. 23(8):PP 1122-1134
- Moustafa A. W. and M. S. Darwich (1990)" Towards a computer aided industrial design system" the 4th Annual conference of the Faculty of Applied Arts, Cairo
- Moustafa A. W. (1990)" The physical variability of man and its relevance to the practice of product design", University of Helwan Proceedings, Cairo, pp 56-69
- Moustafa A. W. and M. S. Darwich (1989)" The use of a systematic logical approach to increase effectiveness and productivity", Design Research Vol. 8, No 3, pp 693-699.
- Moustafa A. W. (1988)" Anthropometry data in design, principles of use and methods of application", 3rd Annual conference of the Faculty of Applied Arts, Helwan University, Cairo (19-23 Dec. 1988)
- Moustafa A. W. and Nahid Abdel Reheem (1988)" ,An investigation into the factors affecting the Anthropometry of Egyptian women", 3rd Annual conference of the Faculty of Applied Arts, Helwan University, Cairo (19-23 Dec. 1988)
- Moustafa A. W., (1988)" Ergonomics evaluation of consumer products", Proceedings of the Ergonomics Society, April 1989, Exter, U.K. PP 51-63.
- Moustafa A. W. and Nahid Abdel-Reheem (1988)" The physical characteristics of Egyptian elderly women", The Journal of sporting Sciences and Arts, Vol. 1(2)
- Moustafa A. W., and B. T. Davies (1988)" A device to convert from manual to electronic anthropometer", 3rd Conference on Theoretical and Applied Mechanics, Academy of Scientific Research and Technology (14-17 Nov 1988)
- Moustafa A. W., and B. T. Davies (1988)" A new computer based stereophotogrammetric system", 3rd Conference on Theoretical and Applied Mechanics, Academy of Scientific Research and Technology (14-17 Nov 1988)
- Darwich, M. S., W. Bassiuney and A. W. Moustafa (1987)" Muscle strength of Egyptian pregnant women", Proceedings of the 1st conference of the Faculty of Physical Education for girls, Jan 1987, Vol. 6,P (60-86).
- Moustafa A. W., B. T. Davies, M. S. Darwich and M. Ebraheem (1987)" Anthropometry study of Egyptian women", Ergonomics Vol. 30(7):1089-1098. <https://doi.org/10.1080/00140138708965998>
- Davies B.T. and A. W. Moustafa (1986)" A low cost accurate electronic anthropometer", Ergonomics, 29(5):713-717 <https://doi.org/10.1080/00140138608968305>

### **Published Books:**

#### **Publications in Computer Aided Design, Computer Aided Manufacturing, Computer Graphics Applications, and relevant subjects**

- Introduction to Ergonomics, Published by BUC 2017 (editor)
- Museum Studies, Published by BUC 2017 (editor)
- Creative thinking, Published by BUC 2018
- Design Methods, Published by BUC 2019
- Computer Aided Design & Manufacturing, a handy tool for designers, Dar Fekr (in Arabic) 2015
- Ergonomics, the art of design for comfort and welfare of humans, Ergonomics Informaion Center, May 2010
- Anthropometry for designers, Designers Syndicate and Ergonomics Information Center, Sept 2007

- Anatomy for designers and artists, 2007
- Practical Lessons in MS Office, 2006
- Microsoft Office (A practical approach), 2006
- Advanced technologies in CAD and CAM, Rosa ElYousef , 2005
- AutoCad a practical approach, 2005
- Adobe Photoshop a practical approach, 2005
- Computers in Design and manufacturing, 2004
- Computers in art and design, 3 Editions 2003, 2005, 2007

### **Supervision on Postgraduate Research:**

#### **28 Ph.D. and 51 M.Sc. Studies in:**

- Faculty of Physical Therapy Cairo University
- Faculty of Applied Arts, Helwan University ,
- Faculty of Home Economy, Helwan University ,
- Faculty of Engineering, Helwan University ,
- Faculty of Specific Education, Cairo University
- Faculty of Specific Education, Alexandria University
- Faculty of Specific Education, Mansoura University
- Faculty of Education, Menia University