

Curriculum Vita of

Prof. Dr. Tarek Ismail Mohamed



Birth: 13/9/1966, Cairo, Egypt.

Title: Prof. Dr. of Product Design.

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Nationality: Egyptian.

Current Job: Professor of Product Design & 3D Visual Communication by Computer - College of Mass Communication – Ajman University - Consultant of Product Design and Industrial Design since 2019.

Permanent Job: Professor of Product Design. Industrial Design Department, College of Applied Arts, Helwan University, Egypt.

Management experience

-2010 till date- Professor of Product Design, College of Mass Communication, Ajman University.

- Consultant of Product Design since 2019.

- Head of the Graphic Design Department – college of Mass Communication–2010-2012- Ajman University.

-Head of the Computer Department, College of Science and Arts, 2008-2009, King Khalid University, Saudi Arabia.

-Membership of the Computer Department, College of Science and Arts, 2009-2010, El Qasim University, Saudi Arabia.

- Membership of the Department of Education Technology, Faculty of teachers, 2006-2008, King Khaled University, Saudi Arabia.

-Membership of the Department of Art Education, College of teachers, 2003-2006, King Khaled University, Saudi Arabia.

- Membership of the Product Design Department, College of Applied Arts, from 1990 and till now-Helwan University, Egypt.

- Membership of the editorial board of many international journals of Design, Arts, Humanities in Egypt- Germany- U.S.A.- Australia -Gordon.

- Membership of different technical committees of international design conferences

Fields of Experience and Research

I have taught, worked, researched in the following fields:-

- Product Design – Industrial Design- Design by Computer 2D-3D- Virtual Reality and 3D Modelling- Design Projects - Visual Communication Design- Packaging Design- Infographic Design- Graphic Design- Multimedia Design- Interactive Design
- Design Basics – Media Production for Public relations -Art and History- Analysis of children drawings -Art Education- Museum and Display Design- Ornamentation Design- Model Making- Education by computer- Human Factors in Design- Color Theory – Material and Printing – Design Technology.

Academic Certificates

- **Bachelor of Applied Arts**, Product Design Department- College of Applied Arts- Helwan University- Egypt- 1989.
- **Master's Degree** in Applied Arts, Product Design Department- Helwan University, Egypt- 1994.
- Ph.D.** in Design by Computer and 3D Modeling – Braunschweig University of Arts (H.B.K.) – Germany - College of Applied Arts, Product Design Department-Helwan University, Egypt- 1999.
- Scholarship** from 1996 to 1999- College of Fine Arts, Braunschweig University – Germany.
- Doctorate Title** (Establishing an Educational Form Design Program in View of The utilization of The Computer)
- **Professor of Product Design Since 2010.**
- **Consultant of Product Design and Industrial Design since 2019.**

Biography

Professor Tarek Ismail is a specialist in **Product Design, 3D Visual Communication by Computer.**

Tarek taught in The Product Design Department in The Faculty of Applied Arts, Helwan University – Egypt, from 1990 to 1996; he moved to **Germany** to get A Ph.D. in collaboration with the College of Fine Arts (H.B.K.) in Braunschweig –from 1996 to 1999.

Tarek went back to Egypt and worked as a product design assistant professor and 3D Visual communication in the Industrial Design Department, College of Applied Arts, Helwan University.

Tarek held many exhibitions that reflected his thoughts on the 2D, 3D design of different products, projects, etc., using Computer and 3d Modeling; during this time, he participated in two Master's thesis.

From 2005 to 2009, Tarek worked in The Saudi Arabia Universities in Art Pedagogy and Education Technology at King Khaled University. There, Tarek succeeded in making A combination of his experience in 2D, 3D Design, and The Arabian Environment using Glass, Leathers, Metals, and different materials; he designed many products, Painting Art, and graphics. Later he became the head of the Computer Science Department.

2010-2012, Tarek headed A new Department of Graphic Design in College of Mass Communication at Ajman University in U.A.E.

He still works as a Product Design professor, 3D Visual Communication at Ajman University. He has published many books in Product Design, Design by Computer, Graphic Design, Multimedia Design, Interactive Design, Design Basics, Virtual Reality, Design Theory (under editing).

In 2019, Prof Dr. Tarek Ismail received the title of consultant in product design from the Designers Syndicate in Egypt, which qualifies him to manage and direct many activities and projects in the industrial, especially product design. He has many types of research in many International Conferences in Germany, Egypt, the U.S.A., Japan, Turkey, Kuwait, Emirates, Netherland, Spain, Greece, and different published papers in the indexed journals the Scopus database.

Research and Papers

- Establishing an Educational Morphology Program of Designing by Computer, Arts & Science Journal, Helwan University- 1999.
- Modification of Product Design in view of Science, Technology. Arts & Science Journal, Helwan University- 2000.
- The Role of the Industrial Designer in Improving the Appearance of the Egyptian Environment. The seventh scientific Conference of Applied Arts- 2000.
- Using Computer Technology in Product Design and Manufacturing Arts & Science Journal, Helwan University- 2001.
- Nature and Design Ideas' Creation, The first scientific Conference of Recycling, Helwan University -2002.
- The Utilization of Simple Architecture in Products Designing, Arts and Science Journal, Helwan University- 2003.

- The Intelligent Environment as Future Style by Products Design, Arts and Science Journal, Helwan University- 2005.
- The Utilization of Computer Technology in Multimedia Designing Arts and Science Journal, Helwan University- 2005.
- Form and Meaning in foreign Video Games and its Effect in The Egyptian Culture Arts and Science Journal, Helwan University- 2006.
- The Digital Technology as an influential factor in The Awareness Growing of The Developing Countries Arts and Science Journal, Helwan University- 2007.
- Toward A package of soft wares in Design and Data Presentation Arts and Science Journal, Helwan University- 2007.
- Performance Arts shining in The Interactive Products Design in the 3rd Millennium, The First International Conference of Applied Arts - 2008.
- Interactive Product Design as A Cultural Phenomenon, Arts and Science Journal, Helwan University- 2009.
- The effect of Islamic Arts and Science in forming The Western Industrial Design Theory, The Arabic Open Academy Journal- Denmark 2009.
- Designing The blind person's products in view of Learning Difficulties, Alum Insania Journal – Netherland-2009.
- Graphic Design and its role in highlighting some of the social problems and their solutions (the phenomenon of street children) – Kuwait University – Faculty of Arts 2013
- The Camouflage Design in Human Products and its philosophy. The international academy of research – Turkey- 2014.
- Towards a multi-cultural educational Program for designers to meet the requirements of globalization- Chicago University-U.S. A-2015.
- The transformation from conventional product design to sustainable product design, IAFOR Organization - Osaka -Cope – Japan 2016.
- Impact of virtual reality in the modern advertising industry and the promotion of the product online, College of Mass Communication and Humanity, Ajman University, U.A.E., 2017.
- Ethics of the Visual Communication in the Product Design- Elisava Design School – Barcelona- Spain, 2018.
- The influence of Islamic art on the design of the functional product, Journal of Architecture, Arts and Humanistic Science, Volume 10 - Issue 1, Egypt. https://mjaf.journals.ekb.eg/issue_4099_4102_.html- April - 2018
- Design Considerations of physical and digital children's games in the light of identity and heritage, International Design Journal, Volume 9, Issue 2, March 2019, Egypt. <http://www.journal.faa-design.com/a-current.htm>
- Applying the 3D Morphological Approach Using the Computer-Aided Product Design- Amsterdam Design School – Netherland 2019- **indexed in Scopus.**

- Solar-powered products with cultural references in the design language- the Journal of Advanced Research in Dynamical and Control Systems- Jun2019 (JARDCS) (ISSN 1943-023X) - **indexed in Scopus.**
- Using modern decorative design in the products to win new customers and markets, International Journal of Public Sector Performance Management 1741-105X – accepted for publication 2019- **indexed in Scopus.**
- The impact of virtual, augmented reality on the careers of product, multimedia, and graphic design. The 4th European Conference on Design, Modeling, and Optimization- Athens-Greece -2020 - **indexed in Scopus.**
- Developing a product design educational program for post-globalization designers, International Journal of Scientific and Technology Research ISSN 2277-8616, accepted for publication 2019- **indexed in Scopus.**
- Innovation in the Modern Products of Islamic Art as a Starting Point to Confirm its Leading Role Globally- Journal of King Faisal University – ISSN 16580311- 2020.
- Refine the students' skills through design education to create ethical products, Sage Open Journal. ISSN 2158-2440 – Indexed in Scopus Q1- 2021.

Conferences Participation

- The seventh scientific Conference of Applied Arts-Helwan University- November 2000.
- The first scientific Conference of Recycling, Helwan University –April 2002.
- The First International Conference of Applied Arts (hot Topics) - Helwan University -March 2008.
- The International Conference of Design – Technical University of Berlin. Germany. February- 2009.
- Kuwait University – Faculty of Arts- The Ninths Conference of highlighting some of the social problems 2013
- The International Conference on Education and Social Sciences – Istanbul-Turkey – 2014.
- The International Conference on Design and Practice, Chicago Centered University, U.S.A .2015.
- The Sevens Asian Conference on Arts and Humanities, IAFOR Organization, Cope Japan 2016.
- The International Scientific Conference of Communication in the Age of social transformations, College of Mass Communication- Ajman University.
- The International Scientific Conference of Design – Elisava Design and Engineering School- Barcelona- Spain -2018.
- The 3rd European Conference on Design, Modeling, and Optimization- Amsterdam-Netherland-2019 - **indexed in Scopus.**

- The 4th European Conference on Design, Modeling, and Optimization- Athens- Greece -2020 - **indexed in Scopus.**

Practical Experiences

- Demonstrator - College of Applied Arts, Helwan University 1989-1993.
- Lecturer - College of Applied Arts, Helwan University 1993-1996.
- Doctorate Scholarship in Germany - Braunschweig University of Arts (H.B.K.) 1996-1999 Product – communication Design.
- 1999- 2002: Assistant Prof- College of Applied Arts, Helwan University. Product Design Department.
- 2003: Associate Prof- College of Applied Arts, Helwan University.
- 2005-2008: College of Teachers of Bisha- King Khaled University. Art pedagogy and Educational Technology Departments
- 2008-2009: Head of The Computer Science Department – College of Arts and Science – Bisha- King Khaled University.
- 2010: Professor of Product Design and Computer - College of Applied Arts, Helwan University - Product Design Department.
- 2010: tell now: **Professor of Graphic Design and multimedia design**– College of Mass Communication – Ajman University - U.A.E.
- College of Applied Arts – Helwan University - Egypt.
- College of Specific Education – Mansoura University- Egypt.
- High School of Design (H.B.K.) , Braunschweig, Germany.
- Volks Wagen Company, Wolfsburg, Braunschweig, Germany.
- Lang Ludike Printing House, Braunschweig, Germany.
- Arab Organization for Industrialization, Egypt.
- Head of Multi Industries Company- Egypt.
- Member of The Egyptian Designers Syndicate- Egypt.
- Management Member of the Modern Industries Company, Egypt.
- College of Teachers – King Khaled University, Saudi Arabia.
- College of Science and Arts, King Khalid University, Saudi Arabia.
- College of Mass Communication, Ajman University, Arab United Emirates.
- Consultant of Product Design and Industrial Design since 2019.

Teaching Experiences

- 1990-2002 (College of Applied Arts-Egypt)
: Design Basics – Computer-Aided Design (2dimensions)- Computer Aided design (3dimensions)-Products Design – Graphic Design by Computer– Ergonomic Design – Arts History – Materials and Technology – Models Making – Engineering Drawing – Design Economics – Design Theories – Environmental Design-Projects
- 2005-2009 (King Khaled University -Saudi Arabia)

: Ornamentations Design – Expeditions Design – Art Critic – Art Theories – Educational Models Making – Electronic Learning – Multimedia Design – Educational Programming Designing By Computer – Computer and Learning – Art History.

2010 – till now (College of Mass Communication, Ajman University – United Arab Emirates

: Graphic Design – Special Topics in Graphic Design – Information graphic Design - Multimedia Design – Interactive Multimedia Design – Media Production for Public Relations – Graphic Design Projects- Virtual Reality and 3D Design – Packaging Design.

Computer software experiences

- Complete Microsoft Programs.
- Complete Adobe Programs such as Photoshop - Illustrator- Animate - In Design- Premier- After effect.
- 3DS Max.
- AutoCAD.

Published Books

- **Products Design** (Technology-Art-Science), Elkhabty Publishers –Saudi Arabia - 2005.
- **Design by Computer** (3D Modeling-Virtual Reality-Information Technology) – Dar El ketab El Araby – Lebanon -2007.
- **Design Basics between theory and Application** (2D-3D) – private Publication Egypt – 2009.
- **Graphic Design and Visual communication** – Horizons for Publication– Emirates- 2012
- **Multimedia Design and Production** - Horizons for Publication– Emirates- 2013.
- **Interactive Design** - Horizons for Publication– Emirates- 2014-2015.
- **Virtual Reality and 3 D design by Computer** Horizons for Publication– Emirates – 2018.
- **Design Theory and History** – (under publishing).

Society and Journals Membership

- Egyptian Designers Syndicate.
- College of Fine Arts –Braunschweig- Germany.

- Common Ground Publications (Design Principles & Practices) as Associate Editor – Australia.
- Design Expert in ideas on design organization (nonprofit organization).
- Academic Star Publishing Company.
- The International Journal of Literature and Art Studies, U.S.A.
- The editorial board of the Arabic Media Magazine- Germany.
- Member of the Journal of Architecture, Arts, and Human Science – Egypt.
- Member of the Journal of Heritage and Design - Egypt

Awards and Prizes

- 1996 Ph.D. (scholarship of Channel System) College of Fine Arts – Product Design Department Braunschweig University– Germany.
- Certificates of an Active Person from The Bisha Teachers College in time from 2005–2008
- Design Expert in (nonprofit) ideas on design organization.
- Internal Grant from Ajman University for a research paper with the title Solar-powered products with cultural references in the design language- the Journal of Advanced Research in Dynamical and Control Systems- Jun2019 (JARDCS) (ISSN 1943-023X) - **indexed in Scopus**.
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- In 2019, Prof. Dr. Tarek Ismail received the title of consultant in product design from the Designers Syndicate in Egypt, which qualifies him to manage and direct many activities and projects in industrial, especially product design.
- Scientific Excellence Award from the College of Mass Communication - Ajman University for the academic years 2018-2019 – 2020 in scientific research.
- Microsoft Azur Grant for Covid 19 research for paper with the title, Applying the health criteria in everyday product design in light of the coronavirus pandemic for 2020-2021.

Foreign Language Ability

- Perfect English.
- Perfect Deutsche.

The ability to teach the following courses (in Arabic and English)

Introduction to Multimedia – Interactive Multimedia Design- Media Production for Public relations – Digital Photography- Design Basics – Computer-Aided Design (2dimensions)- Computer-Aided Design (3dimensions)-Products Design – Graphic Design by Computer – Ergonomic Design – Arts History – Materials and Technology– Models Making –Drawing – Design Economics – Design Theories – Environmental Design-Projects.

-Ornamentations Design – Expeditions Design – Art Critic – Art History - Art Theories – Educational Models Making – Electronic Learning –Multimedia Design – Educational Programming Designing by Computer – Computer and Learning - Graphic Design – Special Topics in Graphic Design – Infographic Design –

Courses and training programs that have passed

- Teacher training course - Helwan University.
- Computer 3D Design - Faculty of Fine Arts - Braunschweig- Germany.
- Practical course in Auto Design in the Volkes Wagen Factories in 1997-1998 in Germany.
- Training of Trainers of Teachers College – King Khaled University – Saudi Arabia.
- Skills of student evaluation - Helwan University.
- The use of technology in teaching - Helwan University.
- Credit hours course - Helwan University.
- Research economics - Helwan University.
- Time Planning-Ajman University.
- spss Program – Ajman University.

Courses and training programs that Dr. Tarek Ismail gives

- 2D-3D Design by Computer - Faculty of Applied Arts.
- 3D modeling - Faculty of Applied Arts.
- Learning Resource Centers Course - King Khaled University – Saudi Arabia.
- Diploma of Learning Resources - Multimedia Design - King Khaled University – Saudi Arabia.
- Cartoon Drawing - Ajman University.
- Digital Photography - Ajman University.
- Painting in Wax and Oil colors - Ajman University.
- Collage and Multimedia Design - Ajman University.
- 3 D design by 3d studio max program- Ajman University.
- Successful Graphic Design Considerations - Ajman University.
- Interactive Design for Applications- Ajman University.
- Model Design Building - Ajman University.