


Faculty Vitae

General Information:

Name	Nationality	Photo
Dr. Tarek Mohamed Ahmed Ali EL-Bagory	Egyptian	

Education:

Degree	Discipline	Institution	Year
B.Sc.	Mechanical Engineering [Power]	College of Engineering, Helwan University, Egypt	1997
M.Sc.	Mechanical Design [Materials]	College of Engineering, Helwan University, Egypt	2004
Ph.D.	Mechanical Design [Materials]	College of Engineering, Helwan University, Egypt	2010

Academic Experience:

Institution	Title	Period	FT/PT
College of Engineering, Helwan University	Demonstrator	1999-2004	FT
College of Engineering, Helwan University	Ass. Lecturer	2004-2010	FT
College of Engineering, Helwan University	Assistant Professor	2010-2011	FT
College of Engineering, Majmaah University	Assistant Professor	2011-2016	FT

Honors and awards:

1	Participated in the Euro-Mediterranean Innovation Marketplace 26th -28th January, 2010, Cairo-Egypt. “Ranked as the 1 st among all the Applicants of the Contest” For the Invention “Testing Station for Natural Gas Piping Systems”
2	Participated in the VI MOSUBKA 2010 NI “Ranked as the 1st among all the Applications of the Contest from the Middle East” EL-Bagory, T.M., and Alsayed. M, “Design and Implementation of Fuzzy Based Control System for a Special Testing Machine (STM) for Natural Gas Pipes”, National Instrument® Virtual Instrumentation Conference and Exhibition (NI Week), Austin, United States of America, August 2010.
3	Participated in the International Exhibition of Inventions of Geneva 6th -10th April 2011, Geneva Palexpo- Switzerland, “Ranked as the Gold Medal among all the Applicants of the Contest” For the Invention “Testing Station for Natural Gas Piping Systems”
4	Participated in the International Exhibition of Inventions and Inventors of the Mediterranean, Italy, Catania 3rd -5th June 2011, “Ranked as Important Invention’s among all the Inventions of the Contest” For the Invention “Testing Station for Natural Gas Piping Systems”
5	Participated in the ASME Student Competition, Baltimore Maryland, USA, 17-21, July 2011, “Ranked from the Best PhD Thesis’s in the Mechanical Engineering for year 2010”
6	Participated in the Best PhD Thesis’s Competition, Cairo –Egypt, Helwan University, July 2011, “Ranked as the 1st among all the Applicants of the Contest”
7	Participated in the Innovation Award of Majmaah University, April 2016 “Ranked as the 1st among all the Applicants of the Contest”

8	Patent No. 1 from: King Abdul-Aziz City for Science and Technology Patent No.: 4406 Date: 11/10/2015 Invention Name: "Special Pre-cracking Machine for Water and Natural Gas Piping Systems"
9	Registration for Patent No. 2 from: King Abdul-Aziz City for Science and Technology Registration No. : 116370492 Date: (26-6-1437H) (4-4-2016) Invention Name: "Creep Testing Machine for Ring Specimens using in Natural Gas Piping Systems"
10	Registration for Patent No. 3 from: King Abdul-Aziz City for Science and Technology Registration No.: 116370439 Date: (11-6-1437H) (11-6-2016) Invention Name: "The Air Conditioned Jamarat Bridge using Renewable Energies"
11	Registration for Patent No. 4 from: Egyptian Patent Office Technology Development and Scientific Services Sector The Egyptian Academy of Scientific Research and Technology (ASRT) Registration No.: 2010/195 Date: 7/2/2010 Invention Name: Testing Station for Natural Gas and Piping Systems

1. Journals:	
1	EL-Bagory , Younan, M.A., T.M., Sallam H.E.M., and Abdel-Latif, L.A. "Plastic Load of Pre-Cracked Polyethylene Miter Pipe Bends Subjected to In-Plane Bending Moment" Journal of Pressure Vessel Technology, December, 2013, Vol. 135, No. 6.
2	EL-Bagory , Younan, M.A., T.M., Sallam H.E.M., and Abdel-Latif, L.A. "Effect of Load Angle on Limit Load of Polyethylene Miter Pipe Bends" Journal of Pressure Vessel Technology, June, 2014, Vol. 136, No. 1.
3	EL-Bagory , Younan, M.A., T.M., Sallam H.E.M., and Abdel-Latif, L.A. "Limit Load Determination and Material Characterization of Cracked Polyethylene Miter Pipe Bends" Journal of Pressure Vessel Technology, June, 2014, Vol. 136, No. 4.
4	EL-Bagory , T.M., Sallam H.E.M., Younan, M.A., and Abdel-Latif, L.A. "Effect of Strain Rate, Thickness, Welding on the J-R Curve for Polyethylene Pipe Materials" Theoretical and Applied Fracture Mechanics, December 2014, Vol. 74, pp. 164-180.
5	EL-Bagory , T.M., Alkanhal, T. A. R., and Younan, M.A., "Effect of Specimen Geometry on the Predicted Mechanical Behavior of Polyethylene Pipe Material" Journal of Pressure Vessel Technology, Dec. 2015, Vol. 137, No. 6.
6	EL-Bagory , T.M., Sallam, H.E.M., and Younan, M.A., "Evaluation of Fracture Toughness Behavior of Polyethylene Pipe Materials" Journal of Pressure Vessel Technology, Dec. 2015, Vol. 137, No. 6.
7	EL-Bagory, and Younan, M.A., "Crack Growth Behavior of Pipes Made from Polyvinyl Chloride Pipe Material" Journal of Pressure Vessel Technology, doi:10.1115/1.4033124
2. Under Publication:	
1	EL-Bagory , T.M., and Younan, M.A., "Geometrical Considerations in Experimental and Finite Element Fracture Analysis of PVC" to be Published.