


Faculty Vitae

General Information:

Name	Nationality	Photo
Dr. Abdelrasoul Gadelmoula	Egyptian	

Education:

Degree	Discipline	Institution	Year
PhD	Mechanical Engineering (Mechanical Design)	Yonsei University South Korea	2008
MSc	Mechanical Engineering (Mechanical Design)	Assiut University Egypt	2004
Bachelor	Mechanical Engineering (Mechanical Design& Production)	Assiut University Egypt	2000

Academic Record:

Institution	Title	Period	FT/PT
Majmaah University	Associate Professor	February 2017 ~ Now	FT
Assiut University	Professor (on leave)	February 2024 ~ Now	-
Assiut University	Associate Professor (on leave)	May 2016 ~ Feb. 2024	-
Assiut University	Associate Professor	May 2016 ~ Feb. 2017	FT
Assiut University	Assistant Professor	Nov. 2014 ~ May 2016	FT
The University of Tokyo	JSPS Postdoctoral fellow	Nov. 2012 ~ Nov. 2014	FT
Assiut University	Assistant Professor	March 2010~Nov. 2012	FT
Yonsei University	Postdoctoral Fellow	Sep. 2008 ~March 2010	FT
Yonsei University	Researcher and TA	March 2005 ~ July 2008	FT
Assiut University	Assistant Lecturer	June 2004 ~ Feb 2005	FT
Assiut University	Researcher and TA	Dec. 2001 ~ June 2004	FT

Awards and Honors

#	Award / Honor	Year
1	Japan Society for the Promotion of Science (JSPS) fellowship, FY2012.	2012
2	Marquis WHO's WHO in the World Award, 27 th Edition.	2010
3	HRD Program for Nano/Micro Mechanical Engineering Award, Feb. 2009.	2009
4	Asia/Pacific Data Storage Conference APDSC08, Outstanding Poster Award.	2008
5	BK21 (Brain Korea) Fellowship, August 2008.	2008
6	Korea Research Foundation (KRF) Fellowship, March 2006.	2006
7	Yonsei University Graduate Scholarship (as an International Student)	2005

8	Top Student Award in Mechanical Engineering, Egypt Engineering Syndicate	2001
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Scientific and professional membership

#	Membership
1	ASME (American Society of Mechanical Engineers) member since 2009
2	SISS (Society of Information Storage Systems) member, South Korea, since 2008.
3	EGS member (Egypt Engineering Syndicate) since 2000.

Selected publications

Journal publications	
1	Gadelmoula, A. ; Aldahash, S.A (2023). Dry Friction and Wear Behavior of Laser-Sintered Graphite/Carbon Fiber/Polyamide 12 Composite. <i>Polymers</i> , Vol. 15 (19): 3916. https://doi.org/10.3390/polym15193916
2	Gadelmoula, A. , Aldahash SA (2023). Effect of Reinforcement with Short Carbon Fibers on the Friction and Wear Resistance of Additively Manufactured PA12. <i>Polymers</i> , Vol. 15 (15): 3187. https://doi.org/10.3390/polym15153187
3	Gadelmoula, A. , Aldahash SA (2023). Tribological Properties of Glass Bead-Filled Polyamide 12 Composite Manufactured by Selective Laser Sintering. <i>Polymers</i> , Vol. 15 (5): 1268. https://doi.org/10.3390/polym15051268
4	Salman, S., Hassanein, O., Anavatti, S., Gadelmoula, A (2021). Gain-Scheduled Level Controller for FESTO MPS PA Station Tank. <i>International Journal on Engineering Applications (IREA)</i> , Vol. 9 (6); pp. 353-360. https://doi.org/10.15866/irea.v9i6.20191
5	Aldahash, S. A., Salman, S. A., Gadelmoula, A. M. (2020), Towards Selective Laser Sintering of Objects with Customized Mechanical Properties Based on ANFIS Predictions, <i>Journal of Mechanical Science and Technology</i> , Vol. 43 (12); pp 5075-5084. https://doi.org/10.1007/s12206-020-1111-6
6	Aldahash, S. A., Gadelmoula, A.M. (2020). Orthotropic properties of cement-filled polyamide12 manufactured by selective laser sintering. <i>Rapid Prototyping Journal</i> , Vol. 26 (6); pp 1103-1112. https://doi.org/10.1108/RPJ-07-2019-0191
7	Abdelrasoul M. Gadelmoula and Saleh A. Aldahash (2019). Effects of Fabrication parameters on the properties of parts manufactured with selective laser sintering: application on cement-filled PA12. <i>Advances in Materials Science and Engineering</i> , Vol. 2019: 8404857. https://doi.org/10.1155/2019/8404857
8	Mohamed Adel, Osama Abdelaal, Abdelrasoul Gad , Abu Bakr Nasr, AboelMakaram Khalil (2018). Polishing of fused deposition modeling products by hot air jet: Evaluation of surface roughness. <i>Journal of Materials Processing Technology</i> , Vol. 251; pp. 73-82. https://doi.org/10.1016/j.jmatprotec.2017.07.019
9	Abdelrasoul M. Gad , "On the performance of foil thrust bearing with misaligned bearing runner," <i>Journal of Industrial Lubrication and Tribology</i> , Vol. 69 Issue: 2, doi: 10.1108/ILT-11-2015-0177
10	Abdelrasoul M. Gad and Shigehiko Kaneko, "Tailoring of the Bearing Stiffness to Enhance the Performance of Gas-Lubricated Bump-Type Foil Thrust Bearing", <i>Proc IMechE part J: Journal of Engineering Tribology</i> , Vol. 230 (5), pp. 541 - 560
11	Abdelrasoul M. Gad and Shigehiko Kaneko, "Performance characteristics of gas-lubricated bump-type foil thrust bearing," <i>Proc IMechE part J: Journal of Engineering Tribology</i> , 2015; Vol. 229 No. (6): pp. 746–762.
12	Abdelrasoul M. Gad and Shigehiko Kaneko, "A New Structural Stiffness Model for Bump-type Foil Bearings: Application to Generation II Gas Lubricated Foil Thrust Bearing," <i>ASME Journal of Tribology</i> , 2014; Vol. 136 No. (4): 041701-1~041701-13.
13	Ki Wook Song, Abdelrasoul M. M. Gad , and Yoon Chul Rhim, "Design of a curved stabilizer with damping orifices for reducing axial run-out of flexible optical disks", <i>Journal of Microsystem Technol</i> , (2011) 17: 991-996.
14	Abdelrasoul M. M. Gad and Yoon Chul Rhim, "Towards a Flat Rotating Flexible Disk for High Speed Optical Data Storage", <i>Japanese Journal of Applied Physics, JJAP</i> , Vol.49 (2010), 08KC01.
15	Abdelrasoul M. M. Gad and Yoon Chul Rhim, "Passive Damping of the Axial Run-out for High Speed Rotating Flexible Disk Using the Idea of Damping Orifice ", <i>Japanese Journal of Applied Physics, JJAP</i> , Vol.49 (2010), 08KC03.
16	A. M. Gad and Y. C. Rhim, "Axial Run-out of a Spinning Flexible Disk Close to Rotating Rigid Wall ", <i>IEEE Transactions on Magnetics</i> , Vol. 45, No. 5, 2186 - 2189, May 2009.