

## C.V.

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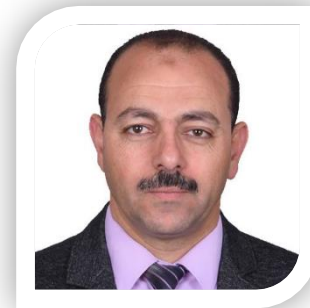
<http://scholar.google.com.eg/citations?user=l7Dv-q0AAAAJ&hl=en>

[http://www.researchgate.net/profile/Tamer\\_Medhat](http://www.researchgate.net/profile/Tamer_Medhat)

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### **Positions:**

- 1- Vice-Dean of Artificial Intelligence for Education and Student Affairs, Kafr El-Sheikh University, as from 10/2/2020 up to now.
- 2- Assistant Professor of Computer Engineering and systems, Electrical Engineering Department, Faculty of Engineering, Kafrelsheikh University, Kafrelsheikh, Egypt: **from** 28/10/2019 up to now.
- 3- Director of Egyptian Universities Network at supreme council of Universities: From 15/12/2018 up to 15/12/2019.
- 4- Chief Information Officer of Kafrelsheikh University: **from** 1/9/2010 up to 14/12/2018.
- 5- Kafrelsheikh University Representative at National Committee for ICTP (Information & Communication Technology Project): From 27/12/2007 up to now.
- 6- Director of MIS (Management Information Systems) Project at Kafrelsheikh University: **from** 27-12-2007 up to 30-9-2010.

### **Qualifications:**

**1- Bachelor of Engineering in "Electronic Computers and Automatic Control" (1998)**

Faculty of Engineering, Tanta University, Egypt.

**2- MSc. in "Engineering Mathematics" (2004)**

Physics and Engineering Mathematics Department, Faculty of Engineering, Tanta University, Egypt

**Thesis topic:** "Topological Applications on information Analysis by Rough Sets".

**3- Ph.D. in "Engineering Mathematics" (2007)**

Physics and Engineering Mathematics Department, Faculty of Engineering, Tanta University, Egypt

**Thesis topic:** "Supra Topological Approach for Decision Making via Granular Computing".

### **International Activities / Relations:**

- Member of International Rough Set Society.  
<http://roughsets.home.pl>
- Member of Egyptian rough sets working group.  
<http://www.cba.edu.kw/abo/rough-sets-working-group.htm>
- Editor of international journal of research and innovation "AISS: Advances In Information Sciences and Service Sciences"  
<http://www.aicit.org/AISS/home/editorial.html?jname=AISS>
- Editor of IJNCM: International Journal of Networked Computing and Advanced Information Management  
<http://www.aicit.org/ijncm/home/editorial.html>
- Editor of IJMIA: International Journal of Data Mining and Intelligent Information Technology Applications  
<http://www.aicit.org/ijmia/home/editorial.html>

### **Research interests:**

Computer Science, General Topology, Rough Sets, Fuzzy Sets, Granular Computing, Engineering Mathematics, Decision Making, Information Systems, Neural Networks, Augmented Reality, Artificial Intelligent.

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**Publications:**

- [1] **T. Medhat**, Manal Elsayed, “Missing Value Prediction for Qualitative Information Systems”, Filomat 34(1) (2020), zzz–zzz, (will be added later)
- [2] Arafa A. Nasef, M. E. Ali, **T. Medhat**, “Fuzzy Soft Set: Theory and Applications”, The Second International Conference Of Mathematics, Statistics & Information Technology, Dept. of Math., Fac. of Sci., Tanta Uni., ICMSIT2018, 18-20 Dec., 2018, pp. 1-10,2018.
- [3] Arafa A. Nasef, M. E. Ali, **T. Medhat**, “Evaluating the Attributes Affecting Rationalization of Pure Water Consumption in Egypt by Using Rough Set Techniques”, The Second International Conference Of Mathematics, Statistics & Information Technology, Dept. of Math., Fac. of Sci., Tanta Uni., ICMSIT2018, 18-20 Dec., 2018, pp. 1-13,2018.
- [4] **T. Medhat**, M. E. Ali, “Approximation Space Via Topological Structures”, International Journal of Academic Information Systems Research (IJASIR), Vol. 2 , No. 10, pp. 1-4, 2018.
- [5] M. E. Ali, **T. Medhat**,” The Relation Between Rough Sets And Fuzzy Sets Via Topological Spaces”, International Journal of Engineering and Information Systems (IJEAIS), Vol. 2, No. 10, pp.1-10 , 2018.
- [6] Elsayed Sallam, **T. Medhat**, A. Ghanem, M. E. Ali, "Handling Numerical Missing Values Via Rough Sets", International Journal of Mathematical Sciences and Computing(IJMSC), Vol.3, No.2, pp. 22-36, 2017.DOI: 10.5815/ijmsc.2017.02.03
- [7] Eman R. AlBasiouny, Amany Sarhan, **T. Medhat**. ”Mean-shift-FAST algorithm to handle motion-blur with tracking fiducial markers”, 2015 Tenth International Conference on Computer Engineering & Systems (ICCES), 23-24 Dec. 2015, IEEE, pp. 286-292, 2015.
- [8] **Medhat, T.**; "Prediction of missing values for decision attribute", International Journal of Information Technology and Computer Science, Vol. 4, No. 11, 58-66, 2012.
- [9] **Medhat, T.**; "Topological Spaces and Covering Rough Sets", Advances in Information Sciences and Service Sciences, Vol. 3, No. 8, 283-289, 2011.
- [10] **Medhat, T.**; "Missing Values Via Covering Rough Sets", International Journal on Data Mining and Intelligent Information Technology Applications, Vol. 2, No. 1,10-17, 2012.
- [11] Elfiky, U.M.; **Medhat, T.**; "Online Green Architecture Toolbox: Pre-Design Toolbox and Rating System for New Built Environment in Egypt", 11<sup>th</sup> INTERNATIONAL CONFERENCE ON DESIGN AND DECISION SUPPORT SYSTEMS IN ARCHITECTURE AND URBAN PLANNING "DDSS2012",2012.

- [12] Kamal, M.; Abosheiasha, H.F.; **Medhat, T.**; "Reduction of Some Physical Measurements by Using Rough Sets Techniques", Heat Treatment and Surface Engineering, Vol. IX, No. 2, 13-22, 2010.
- [13] Elbasiouny, E.R.; **Medhat, T.**; Sarhan, A.; Eltobely, T.E.; "Stepping into Augmented Reality", International Journal of Networked Computing and Advanced Information Management, Vol. 1, No. 1, 9-47, 2011.
- [14] Kozae, A.M.; Khadra, A.A.A.; **Medhat, T.**; Ali, M.E.; "Reduction of Information Systems Attributes", "7<sup>th</sup> International Engineering Conference (7<sup>th</sup> IEC 2010), Mansoura-Sharm ElSheikh, Faculty of Engineering, Mansoura University, 23-28March", 19-28, 2010.
- [15] Kamal, M.; El-Bediwi, A.; Abosheiasha, H.F.; **Medhat, T.**; "Classification of Alloys and Reduction of Some Physical Measurement by Using Rough Sets Techniques", "6<sup>th</sup> International Engineering Conference (6<sup>th</sup> IEC 2008), Mansoura-Sharm ElSheikh, Faculty of Engineering, Mansoura University, 18 – 23March", 2008.
- [16] Lashin, E.F.; Kozae, A.M.; Khadra, A.A.A.; **Medhat, T.**; Ali, M.E.; "Rough sets and correlation factor", "6<sup>th</sup> International Engineering Conference (6<sup>th</sup> IEC 2008), Mansoura-Sharm ElSheikh, Faculty of Engineering, Mansoura University, 18 – 23March", 2008.
- [17] Elfiky, U.M.; **Medhat, T.**; "Online Green Architecture Toolbox : Pre-Design Toolbox and Rating System for New Built Environment in Egypt", 11<sup>th</sup> INTERNATIONAL CONFERENCE ON DESIGN AND DECISION SUPPORT SYSTEMS IN ARCHITECTURE AND URBAN PLANNING "DDSS2012", 27-29August, Eindhoven, Netherlands, 2012.
- [18] **Medhat, T.**; ,Supra Topological Approach for Decision Making via Granular Computing, PhD., 2007,"Faculty of Engineering, Tanta University, Egypt".
- [19] Kozae, AM; Khadra, A.A.A.; **Medhat, T.**; ,REDUCTION OF MULTI-VALUED INFORMATION SYSTEMS,INTERNATIONAL JOURNAL OF PURE AND APPLIED MATHEMATICS, Vol. 39 , No. 1 , 91-99, 2007.
- [20] Kozae, AM; Khadra, A.A.A.; **Medhat, T.**; ,DECISION MAKING VIA DEGREE OF DEPENDENCY, "5<sup>th</sup> Annual Conference INFOS 2007, 24-26 March 2007, Faculty of Computers & Information, Cairo University, Cairo, Egypt",291-297,2007.
- [21] Kozae, AM; Khadra, A.A.A.; **Medhat, T.**; ,Topological Approach for Approximation Space (TAS), "5<sup>th</sup> Annual Conference INFOS 2007, 24-26 March 2007, Faculty of Computers & Information, Cairo University, Cairo, Egypt",298-302, 2007.

- [22] Sammany, M.; **Medhat, T.**; ,Dimensionality Reduction Using Rough Set Approach for Two Neural Networks-Based Applications, Rough Sets and Intelligent Systems Paradigms, 639-647,2007,Springer.
- [23] Kozae, A.M.; Khadra, A.A.A.; **Medhat, T.**; ,Granular Computing: Reduction of information system values, "2<sup>nd</sup> International Computer Engineering Conference ICENCO 2006: New Technologies for the Information Society, 26-28 December 2006, Faculty of Engineering, Cairo University, Cairo, Egypt",RH-42 - RH-46,2006.
- [24] Rehan, F.S.; **Medhat, T.**; ,Is Tinel's Test Valid for Evaluation of CTS? Sensory Conduction [SC] Presentations and Rough Sets Techniques were used to correlate between Tinel's Test and its Validity, Proceedings of the 21<sup>th</sup> Annual Tanta Conference of Rheumatology and Rehabilitation,2006.
- [25] Lashin, EF; **Medhat, T.**; ,Topological reduction of information systems, "Chaos, Solitons & Fractals", Vol. 25, No. 2, 277-286, 2005.
- [26] Lashin, EF; Kozae, AM; Abo Khadra, AA; **Medhat, T.**; ,Rough set theory for topological spaces, International Journal of Approximate Reasoning, Vol. 40, No. 1, 35-43, 2005, Elsevier.
- [27] **Medhat, T.**; ,Topological Applications on information Analysis by Rough Sets, MSc., 2004,"Faculty of Engineering, Tanta University, Egypt".
- [28] Seddeek, M.K.; **Medhat, T.**; Kozae, A.M.; Badran, H.M.; ,Classification of Sand Samples According to Radioactivity Content by the Use of Euclidean and Rough Sets Techniques, "Proceedings of Fourth Conf. Nucl. Particle Phys., Fayom-Egypt", Vol. (10), 11-15", 2003,Fayom University.
- [29] Lashin, E.F.; Kozae, A.M.; Khadra, A.A.A.; **Medhat, T.**; ,Roughness and Fuzziness via Topology, "International Conference on Mathematics, Nuclear Physics and Applications in the 21st century, Cairo, Egypt",2003.