

# Assoc. Prof. Essam Hamed Hamouda Salem

[Topology/ Algebra]

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## Personal Profile

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**Name:** Essam Hamed Hamouda Salem

**Date of Birth:** May 20, 1970. Egypt.

**Gender:** Male.

**Nationality:** Egyptian.

**Marital Status:** Married.

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## Education

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- [2009] [Ph.D. Pure Mathematics ]  
Mathematics Department, Faculty of Science, University of Minufiya,  
Egypt.  
**Thesis title:** On Some Groups and Manifolds
- [1998] [M.Sc. Pure Mathematics]  
Mathematics Department, Faculty of Science, University of Helwan,  
Egypt  
**Thesis title:** Study of Some Algebraic Structures on Many Valued Logic  
Functions.
- [1992] [B.Sc. Pure Mathematics]  
Mathematics Department, Faculty of Science, University of Helwan,  
Egypt.

## Work Experience

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- **[2014 – Current]** **[Lecturer ]**  
[Basic Science Department, Industrial Education College, Beni-Suef University, Beni-Suef, Egypt]
- **[2011-2014]** **[Assistant Prof. ]**  
[Mathematics Department, Faculty of science and human studies- Shaqra University, SAUDI ARABIA]
- **[2009 - 2011]** **[Lecturer ]**  
[Basic Science Department, Industrial Education College, Beni-Suef University, Beni-Suef, Egypt]
- **[2000-2009]** **[Assistant Lecturer ]**  
[Basic Science Department, Industrial Education College, Beni-Suef University, Beni-Suef, Egypt]
- **[1995-1999]** **[Researcher ]**  
[Mathematics Department, Faculty of Science, Helwan University, Helwan, Egypt]

## Studying Fellowships

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- **Doctoral Research Fellowship (2007-2009)**  
Mathematics Department, University of Osnabrueck, Germany

## Research Interests

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- Fuzzy topology,
- Fuzzy semigroups,
- Soft sets,

## Journals Reviewer

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- International J. of Mathematics and Mathematical Sciences.
- Annals of Fuzzy Mathematics and Informatics
- Journal of New Theory (Editorial board)

## Conferences

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- The 32th Workshop of Topology & Its Applications, Helwan University (24 / 7 / 2019).
- The 29th Workshop of Topology & Its Applications, Tanta University (30 / 8 / 2016).
- 5th International Conference on Mathematics and Information Sciences, Zewail City of Science and Technology, 11-13 Feb. 2016, Cairo, Egypt.
- International Conference for Mathematics and Applications (ICMA15), Academy of Scientific Research and Technology, MSA, 27 – 29 Dec. 2015 , Cairo, Egypt.
- The 28th Int. Conf. of Topology & Its Applications, Mansoura University (28-29 / 7 / 2015).
- The 27th Int. Conf. of Topology & Its Applications, Ain Shams University (21-22 / 6 / 2014).

## Supervision on Theses

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- 1) - Amera Seif , " A study on soft semigroups and fuzzy soft semigroups" Ph. D. thesis, Department of mathematics, faculty of Science, Beni-Suef University (2016 - ...)

## Original Research Papers

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- **After Ph.D.**

1. Sibel Demiralp and **Essam H. Hamouda**, ON DIGITAL H-GROUPS, Journal of Universal Mathematics , Vol.2 No.1 pp.42-50 (2019)
2. **E. H. Hamouda** and H. Attiya, On fuzzy contractible topological spaces, J. fuzzy Math. Vol 27, No. 2, pp. 281-289 (2019).
3. Sibel Demiralp and **Essam H. Hamouda**, Some Properties of Fuzzy H-spaces, JP Journal of Algebra, Number Theory and Applications Volume 40, Number 4, 2018, Pages 429-448.
4. **E. H. Hamouda**, Soft ideals in ordered semigroups, Rev. Un. Mat. Argentina, Vol. 58, No. 1, 2017, Pages 85-94.
5. **E. H. Hamouda**, Intuitionistic Fuzzy Topological Spaces: Categorical concepts, AFMI Volume 13, No. 2, (February 2017), pp. 231–238.

6. **E. H. Hamouda**, On Some Ideals of Intuitionistic Fuzzy Points Semigroups, J. of New Theory NO. 16 (2017) Pages: 19-26
7. Ahmed Ramadan, Abdelarahman Halil, **Essam Hamouda**, Amira Seif Allah, SOFT IDEALS OVER A SEMIGROUP GENERATED BY A SOFT SET, J. of New Theory NO. 17 (2017) Pages: 94-102
8. M. S. Fahmy, **E. H. Hamouda**, On Maximal clones in 4-Valued Logic, J. Appl. Math. & Inform. Sc. 2016(accepted).
9. **E. H. Hamouda**, M. S. Fahmy, Characterization of ternary semigroups by intersectional soft sets, J. Appl. Math. & Inform. Sc. 2016 (accepted)
10. **Essam Hamouda**, Intersectional soft sets in ordered groupoids, J. of New Theory NO. 14 (2016) Pages: 37-45.
11. **E. H. Hamouda**, Soft Characteristic Interior Ideals in Semigroups, International Journal of Mathematics And Its Applications Vol. 3, (2015) 49-53.
12. **E. H. Hamouda**, ANTI FUZZY IDEALS IN TERNARY SEMIGROUPS, J. of mathematical and computational science 5(2015), No. 5, 669-680.
13. **E. H. Hamouda**, Some Universal Constructions For I- Fuzzy Topological Spaces II, Journal of Advances in Mathematics, Vol 7, No. 2 (2014) 1203-1208.
14. **E. H. Hamouda**, Some Universal Constructions For I- Fuzzy Topological Spaces, Journal of Advances in Mathematics, Vol 6, No. 2 (2014) 937-941.
15. **E. H. Hamouda**, Some Properties of Fuzzy Contractible Spaces, SOP Transactions on Applied Mathematics, Vol 1, No. 2 (2014) 141-144.
16. **E. H. Hamouda** and M. fahmy, Fundamental groups of iterated line graphs, Global j. of Mathematical Analysis, 2(1) (2014) 1-5.
17. **Essam H. Hamouda**, On fuzzy points of ternary semigroups, J. of semigroup theory & Application, (2014) 1-9.
18. **Essam H. Hamouda**, A Study on Anti Fuzzy Interior Ideals of Ternary Semigroups, Asian J. of Fuzzy & Applied Mathematics, 2(3) (2014) 83-88.
19. **E. H. Hamouda**, On product fuzzy ideals in semigroups, pioneer J. of Math. And Math. Sciences, Vol. 9,1(2013) 15-21.
20. **E. H. Hamouda**, On Some Ideals of Fuzzy Points Semigroups, Gen. Math. Notes, Vol. 17, No. 2(2013) 76-80.
21. **E. H. Hamouda**, On the Based Folding of Based Graphs, Applied Mathematical Sciences, Vol. 6, No. 80( 2012) 3975 – 3979.

- **Before Ph.D.**

1. Shokry Nada and **E. H. Hamouda**, Fundamental group of dual graphs and applications to quantum space time, *Chaos, Solitons& Fractals*, Vol. 42, 1 (2009) 500-503.
2. S. I. Nada and **E. H. Hamouda**, On the folding of graphs- theory and applications, *Chaos, Solitons& Fractals*, Vol. 42, 2 (2009) 669-675.