Personal Data

Name:	Mosab Abd El-Hameed Mohamed Hassaan
Nationality:	Egyptian
Date of Birth:	22/3/1978
Department:	Mathematics (Computer Science)
College:	Faculty of Science
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Scientific Qualifications

* PhD in Computer Science, Faculty of Sciences, Benha University, 2013
* MSc in Computer Science, Faculty of Sciences, Benha University, 2007
* BSc in Pure Mathematics, Faculty of Sciences, Benha University, 1999

Academic Appointments

* Demonstrator in Faculty of Sciences, Benha University (1999 - 2007)
* Assistant Lecturer in Faculty of Sciences, Benha University (2008 - 2010)
* Assistant Lecturer in Faculty of Computers & Informatics, Benha University (2010 - 2013)
* Lecturer of Computer Science in Faculty of Science, Benha University (2013 – till now)

PhD/MSc

Title	PhD / MSc	Year completed
1) On Data Representation Techniques for Efficient Frequent Pattern Mining	MSc	2007
2) Using Indexing for Efficient Mining and Query Processing in Graph Databases	PhD	2013

Fields of Interest

* Data Mining and Knowledge Discovery
* Query Processing on Graph Database

PUBLICATIONS (h-index: 4, citations: 111 per Google Scholar)

Refereed Journal Papers

[1] Karam Gouda, Mosab Hassaan and Mohammed J. Zaki, **PRISM: An Effective Approach for Frequent Sequence Mining via Prime-Block Encoding.** *Journal of Computer and Systems Sciences*, 76(1):88-102. Feb 2010

[2]   Karam Gouda and Mosab Hassaan, **Mining sequential patterns in dense databases.** *International Journal of Database Management Systems (IJDMS)*, 3(1):179-194. Feb 2011

[3]   Mosab Hassaan and Karam Gouda, **Fast-ON*: An extended algorithm for graph isomorphism problem and graph query processing.** *International Journal of Database Management Systems (IJDMS)*, 4(6):11-25. Dec 2012

[4]   Karam Gouda and Mosab Hassaan, **Efficiently Using Prime-Encoding for Mining Frequent Itemsets in Sparse Data.** *The journal Computing and Informatics*, 32(5): 1079-1099. 2013

[5]   Karam Gouda and Mosab Hassaan, **A novel edge-centric approach for graph edit similarity computation.** *Information Systems 80: 91–106*, 2019

Refereed Conference Papers

[1]   Karam Gouda, Mosab Hassaan, and Mohammed J. Zaki, **Prism: A Prime Encoding Approach for Frequent Sequence Mining**, In Proceedings of the 7th IEEE International Conference on Data Mining (ICDM), Omaha, NE, 2007.

[2]   Karam Gouda and Mosab Hassaan, **A fast algorithm for subgraph search problem**, In Proceedings of the 8th International Conference on Informatics and Systems (INFOS), Cairo, Egypt, 2012.

[3]   Karam Gouda and Mosab Hassaan, **Compressed feature-based filtering and verification approach for subgraph search**, In Proceedings of the 16th International Conference on Extending Database Technology (EDBT), Genoa, Italy, 2013.

[4]   Karam Gouda and Mosab Hassaan, **CSI GED: An Efficient Approach for Graph Edit Similarity Computation**, In Proceedings of the 32nd IEEE International Conference on Data Engineering (ICDE), Helsinki, Finland, 2016.

Teaching Experience

* Design and Analysis of Algorithms
* Data Structures with C, C++, Java
* Database Systems
* C/C++ Programming
* Data Mining
* Cryptography
* Image Processing
* Object Oriented Programming
* logic Programming

Activities

I work as a postdoc researcher in the CoDE department of ULB, Belgium [SPICES PROJECT: Scalable Processing and mIning for SEcurity-AnalyticS from 27/4/2017 to 26/10/2017]

Computer Skills

* Programming languages: C, C++, C#, Java
* Databases : SQL, MySQL
* Web Development & design: HTML, PHP
* Operating Systems: Windows, Linux
* Others: Microsoft Office, LaTeX