



# Dr. Metwally Rashad

## *Curriculum Vitae*

### Personal Information

**First Name:** Metwally

**Last Name:** Rashad Metwally Omar Alseedy

**Date of Birth:** April 20, 1981

**Place of Birth:** Dakahliya Governorate, Egypt

**Citizenship:** Egyptian

**Address:** 13777, Kafr El-Gazzar, Banha, Al Qalyubia Governorate, Egypt

**Email:** [metwally.rashad@fci.bu.edu.eg](mailto:metwally.rashad@fci.bu.edu.eg) - [meto4it@yahoo.com](mailto:meto4it@yahoo.com)

**Telephone:** (+2)-013 3229371 – (+2)-010 90792135

**Account on Skype:** meto4it

**Homepage:** <http://bu.edu.eg/staff/mitwallimitwalli14>

**Google Scholar:** [https://scholar.google.hu/citations?user=n\\_wLx08AAAAJ&hl=en&oi=ao](https://scholar.google.hu/citations?user=n_wLx08AAAAJ&hl=en&oi=ao)

**Marital Status:** Married

**Children:** Three daughters

### Qualifications

**2002** B.Sc. of Mathematics, Faculty of Science, Benha University, Egypt.

**2006** Diploma of Computer Science (two years), Institute of Statistical Studies and Research (ISSR), Cairo University, Egypt.

**2008** Premaster of Computer Science, Benha University, Egypt.

**2013** M.Sc. of Computer Science, Faculty of Science, Benha University, Egypt, with title (*On String Representation for Efficient Mining and Searching Over String Database*).

**2017** Ph.D. of Computer Science, Doctoral School of Information Science and Technology, University of Pannonia, Hungary, with title (*Video based Object Retrieval and Recognition Using Lightweight Devices*).

## Professional positions

- 2004 – 2009** Demonstrator, Department of Mathematics (Computer Science), Faculty of Science, Benha University, Egypt.
- 2010 – 2011** Demonstrator, Information System Department, Faculty of Computers & Informatics, Benha University, Egypt.
- 2012 – 2017** Assistant Lecturer, Information System Department, Faculty of Computers & Informatics, Benha University, Egypt.
- 2018 – Now** Lecturer, Information System Department, Faculty of Computers & Informatics, Benha University, Egypt

## Language

- Arabic** Mother tongue
- English** Advanced
- Hungarian** Basic

## Programming Language skills

C++, C, Matlab, Java, Android Application, Vb.Net, Unix Linux, MySQL, Oracle, Javascript, XML, UML, HTML

## Research Interests

Exact matching - Approximate matching - Efficient Auto-Completion - Type-Ahead Search - Similarity Search and Similarity Join - Data Cleaning and Integration - Crowdsourcing Database - Data Mining - Cryptograph - Image Processing - Computer Vision.

## Conferences attended

- [1] International Conference on Informatics and System topics (INFOS), Faculty of Computers & Informatics - Cairo University – Egypt, 2012.
- [2] International Conference on Intelligent Computing and Information Systems, Faculty of Computer & Information Science, AinShams University, Egypt, 2013.
- [3] 4th Scientific Workshop at the Cultural Office and Study Mission of the Embassy of the Arab Republic of Egypt, Vienna, 2014.
- [4] International Summer School on Vehicular Technology, Hungary, 2014.
- [5] National Conference on Image Processing and Pattern Recognition Society, Hungary, 2015.
- [6] 2th International Conference on New Horizons in Basic and Applied Science (ICNHBAS), Egypt, 2015.
- [7] 6th IEEE International Conference on Cognitive Infocommunications, Győr, Hungary, 2015.
- [8] International Workshop on Computational Intelligence for Multimedia Understanding (IWCIM), Prague, Czech Republic, 2015.
- [9] 23rd International Conference on Systems, Signals and Image Processing, Bratislava, Slovakia, 2016.
- [10] 1st International workshop on brain-inspired computer vision (WBICV), Italy, 2017.

## Courses as Teaching

- [1] Data structure, Algorithms, Formal Language, Image Processing, Computer Vision, File Structure, C++, Java, Matlab, Numerical Analysis, Information System, Computer Graphics.
- [2] Completing and attending an “ORACLE” university training class on “JAVA SE7 Programming ED2 PRV”.

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## Publications

- [1] Czúni László, Péter József Kiss, Mónika Gál, Ágnes Lipovits, **Metwally Rashad**: Lightweight Mobile Object Recognition with Segmentation. 10th National Conference on Image Processing and Pattern Recognition Society (KEPAF), pages 117-120, 2015.
- [2] Czúni László and **Metwally Rashad**: Lightweight Video Object Recognition Based On Sensor Fusion. International Conference on Computational Intelligence for Multimedia Understanding (IWCIM), pages 1-5, 2015.
- [3] Czúni László and **Metwally Rashad**: Interactive Object Recognition with Sensor Fusion. 6th IEEE Conference on Cognitive Infocommunications (CogInfoCom), pages 479-482, 2015.
- [4] Karam Gouda and **Metwally Rashad**: An Efficient Algorithm for String Similarity Joins. 2nd International Conference on New Horizons in Basic and Applied Science (ICNHBAS), 2015.
- [5] Czúni László and **Metwally Rashad**: View Centered Video-based Object Recognition for Lightweight. 23rd International Conference on Systems, Signals and Image Processing. (IWSSIP), pages 1-4, 2016.
- [6] Karam Gouda and **Metwally Rashad**: An Efficient String Edit Similarity Join Algorithm. Computing and Informatics Journal (CAI), Vol. 36, pages 1001- 10022, 2016 (**IF=0.504**).
- [7] Czúni László and **Metwally Rashad**: The Fusion of Optical and Orientation Information in a Markovian Framework for 3D Object Retrieval. International Conference on Brain-Inspired Computer Vision (WBICV), pages 1-11, 2017.
- [8] Czúni László and **Metwally Rashad**: The Use of IMUs for Video Object Recognition in Lightweight Devices. Journal of Visual Communication and Image Representation, Vol. 48, pages 30-42, 2017 (**IF = 2.164**).
- [9] Czúni László and **Metwally Rashad**: Lightweight Active Object Retrieval with Weak Classifiers. In Sensors, Vol. 18, pages 1-15, 2018 (**IF: 2.67**).

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## Awards

- [1] Obtain the International Publishing Prize and Citations at the University of Benha for period January 2018.

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## References

- [1] **Dr. Czúni László**  
Department of Electrical Engineering and Information Systems  
Faculty of Information Technology  
Pannonia University 8200, Hungary  
E-mail: [czuni@almos.vein.hu](mailto:czuni@almos.vein.hu)  
Tel: (+36)-30-7370404
- [2] **Professor Dr. Hala Zayed**  
Department of Computer Science  
Dean of the Faculty of Computers and Informatics  
Benha University, Egypt  
E-mail: [hala.zayed@gmail.com](mailto:hala.zayed@gmail.com)  
Tel: (+2)-01284120120

*Thank you handling my C.V*