



# DR. EMAN YASER DARAGHMI

Assistant Professor

## Contact Information

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## WORK EXPERIENCE

### HEAD OF APPLIED COMPUTING DEPARTMENT, COLLEGE OF APPLIED SCIENCE, PTUK, TULKARM, PALESTINE

9/2016 - PRESENT

### ASSISTANT PROFESSOR, PTUK, TULKARM, PALESTINE

9/2015-PRESENT

- Teaching Artificial intelligence, mobile computing, advanced programming language (JAVA), Advanced topics in database management systems, parallel computing, and linear algebra.

### PART TIME LECTURER, PTUK, TULKARM, PALESTINE

2/2015-6/2015

- Teaching Artificial intelligence, mobile computing, advanced programming language, and network programming

### PART TIME LECTURER, AL QUDS OPEN UNIVERSITY, TUBAS AND NABLUS, PALESTINE

9/2014-5/2015

- Teaching computer graphics, computer principles, information and health records systems, and operating systems

### RESEARCH ASSISTANT, DISTRIBUTED COMPUTING SYSTEM LAB, NCTU, TAIWAN

2009- 2014

- Research on designing personalized m-systems and e-systems, Eye movement data analyses and interaction system, studying the theoretical and practical aspects of the distributed systems.

### TEACHING ASSISTANT, NATIONAL CHIAO TUNG UNIVERSITY, TAIWAN

9/2013-2/2014

- Assist in teaching the Distributed Computing Systems Course for full time master and PhD students.
- Preparing the course material, preparing the exams and evaluating the students, designing practical projects and experiments.

### TEACHING ASSISTANT, NATIONAL CHIAO TUNG UNIVERSITY, TAIWAN

3/2013-6/2013

Assist in teaching the Operating Systems Course for full time master and PhD

- students.
- Preparing the course material, preparing the exams and evaluating the students, designing practical projects and experiments.

**TEACHING ASSISTANT, NATIONAL CHIAO TUNG UNIVERSITY, TAIWAN**

9/2012-2/2013

- Assist in teaching the Operating Systems Course for part time students.
- Preparing the course material, preparing the exams and evaluating the students, designing practical projects and experiments.

**EDUCATION AND RESEARCH**

**NATIONAL CHIAO TUNG UNIVERSITY, TAIWAN**

PHD DEGREE, COMPUTER SCIENCE AND ENGINEERING, EXCELLENT WITH HONOR, 93% 9/2011-7/2015

Research: Designing Load-balancing Algorithm for Heterogeneous Distributed Systems based on the small world theory as well as studying the theoretical and the practical aspects of the distributed systems.

**NATIONAL CHIAO TUNG UNIVERSITY, TAIWAN**

MASTER DEGREE, COMPUTER SCIENCE AND ENGINEERING, EXCELLENT WITH HONOR, 95% 9/2009-6/2011

Research: Designing a Personalized m-shopping system to help consumers with special preferences and needs.

**AL QUDS OPEN UNIVERSITY, PALESTINE**

BACHELOR DEGREE OF COMMUNICATION AND INFORMATION TECHNOLOGY, EXCELLENT 89.9% 2003-2008

Research: Designing a Led Lighting Board with a controller

**NATIONAL CHARITY SCHOOL, U.A.E**

TAWJIHI (HIGH SCHOOL CERTIFICATE), EXCELLENT: 98.5% 2003

**PROFESSIONAL TRAINING**

- 1- Oracle Developer 10G - 100 training hour course in (SQL,PL/SQL,FORM), Information & Communication Technology Center 01/2008 – 04/2008 .
- 2- Visual Basic and SQL Programmer, Tulkarm Municipality- Mechanical department Management software 2007.

**PUBLICATIONS**

1. EY Daraghmi, YA Daraghmi, SM Yuan. MedChain: A Design of Blockchain-Based System for Medical Records Access and Permissions Management. IEEE Access 7, 164595-164613
2. EY Daraghmi, YA Daraghmi, SM Yuan, UniChain: A Design of Blockchain-Based System for Electronic Academic Records Access and Permissions Management, Applied Sciences 9 (22), 4966, 2019.
3. MP Fareed Qararyah, Yousef-Awwad Daraghmi, Eman Daraghmi,

- Shantanu Rajora. A Time Efficient Model for Region of Interest Extraction in Real Time Traffic Signs Recognition System. 2018 IEEE Symposium Series on Computational Intelligence (SSCI)
4. PT Mukesh Prasad, Shantanu Rajora, Yousef-Awwad Daraghmi, Eman Daraghmi Fusion based En-FEC Transfer Learning Approach for Automobile Parts Recognition System. 2018 IEEE Symposium Series on Computational Intelligence (SSCI)
  5. YA Daraghmi, EY Daraghmi, S Alsaadi, D Eleyan. Accurate and time-efficient negative binomial linear model for electric load forecasting in IoE. Transactions on Emerging Telecommunications Technologies, e3732
  6. Eman. Y. Daraghmi and Shyan. M. Yuan, A Small World Load-Balancing Approach for Queues based Systems, Advances in Computers and Software: Reviews, Vol. 1', Book Series. 2019
  7. Eman. Y. Daraghmi, Faeq Abu Alia, Balqees Amer, iris app, 10th Annual Undergraduate Research Conference on Applied Computing (URC 2018), Dubai, U.A.E, April 25 & 26 2018
  8. Eman. Y. Daraghmi, Mahmoud AbuBaker, Mahmoud Abd Al Jawad, AMR: Automatic Medicine Reminder App, 10th Annual Undergraduate Research Conference on Applied Computing (URC 2018), Dubai, U.A.E, April 25 & 26 2018
  9. Eman. Y. Daraghmi, , Loai Lahlouh, and Diaa Saabne, A Web Based Diagnoses System with an Arabic Interface, 10th Annual Undergraduate Research Conference on Applied Computing (URC 2018), Dubai, U.A.E, April 25 & 26 2018
  10. Eman. Y. Daraghmi and Amna Elyan, "An Improved Dynamic Load Balancing Algorithm applied to a Cafeteria System in a University Campus", Proceedings of the International Conference on Future Networks and Distributed Systems (ICFNDS '17), article 9, pages 11, 2017
  11. Eman. Y. Daraghmi, hamed swaiseh, osama zaghal, CeLaVie: a personalized resuarant recommender system, 9 th annual undergraduate research conference on applied computing - ICT for Empowering humanity, April 26,27 – 2017.
  12. Eman daraghmi, Mais Ghanayem, Noor Masarrweh, MASA: context aware visual indoor and outdoor augmented reality for a university campus, 9 th annual undergraduate research conference on applied computing - ICT for Empowering humanity, April 26,27 – 2017
  13. Eman Daraghmi, Saja Hassan, Ghadeer Odeh, Daad: a mobile game as an education tool for learning arabic language, 9 th annual undergraduate research conference on applied computing - ICT for Empowering humanity, April 26,27 – 2017
  14. Eman Daraghmi, Arkan Saleh, Diana Salameh, Alaa Ghanem, Rola Hamdan, Lets code: A mobile game as a learning tool for object oriented programming, 9 th annual undergraduate research conference on applied computing - ICT for Empowering humanity, April 26,27 – 2017.

15. Eman. Y. Daraghmi and Rami Yusuf, "PseudoEye: An interactive augmented reality assistant app for electronic engineering students" International Journal of Computer Science and Mobile Applications, vol. 4, issue 10, October 2016.
16. Eman. Y. Daraghmi, "Investigating consumers' adoption of interactive in-store mobile shopping assistant", The Pacific Asia Conference on Information Systems (PACIS 2016).
17. Eman Daraghmi Amjad Sous, Interactive Android App for Learning Java, 8 th annual undergraduate research conference on applied computing - "Today's Researchers and Readers, Tomorrow's Innovators and Leaders, 2016
18. Eman Daraghmi Mariam Abadi, Israa Abu Omar, Hadeel Abu Hamra, PseudoEye : Interactive Mobile Technician Assistant using Augmented Reality, 8 th annual undergraduate research conference on applied computing - "Today's Researchers and Readers, Tomorrow's Innovators and Leaders, 2016
19. Eman Yaser Daraghmi Basalah Moqbel, Dania Nofel, Sema Al-Sheiek, Hayat Salman, AGEye: A Learning System to Guide Students' Attention via Eye Movements, 8 th annual undergraduate research conference on applied computing - "Today's Researchers and Readers, Tomorrow's Innovators and Leaders, 2016
20. Eman. Y. Daraghmi and Shyan. M. Yuan, "A Small World Based Overlay Network for Improving Dynamic Load-Balancing" Journal of Systems and software, vol. 107, pp. 187-203, 2015.
21. Eman Yasser Daraghmi, Chih-Tien Fan, Wei-Jun Lin, Zih-You Peng, Shyan Ming Yuan, "Eye-Tracking Assisted Self-Directed Learning System". The 15th IEEE International Conference on Advanced Learning Technologies (ICALT 2015).
22. Eman. Y. Daraghmi and Shyan. M. Yuan, "We are so close, less than 4 degrees separating you and me!," Computers in Human Behavior, vol. 30, pp. 273-285, 2014.
  - Following are some news-links talk about our publication:  
[http://www.salon.com/2013/10/20/for\\_facebook\\_users\\_its\\_more\\_like\\_4\\_degrees\\_of\\_separation\\_partner/](http://www.salon.com/2013/10/20/for_facebook_users_its_more_like_4_degrees_of_separation_partner/)  
<http://www.psmag.com/blogs/news-blog/facebook-users-like-four-degrees-separation-68531/>  
<http://theeconomyofmeaning.com/2013/10/19/7-6-4-3-9-or-3-2-degrees-of-seperation-research/>  
<http://www.fastcoexist.com/3020687/you-are-connected-to-everyone-on->

23. Eman. Y. Daraghmi and Shyan. M. Yuan, "A personalized Restaurant Recommender for special needs mobile users," Jordan Journal of Applied Science, to appear 2014.
24. E. Y. Daraghmi and S.-M. Yuan, "A New Cloud Storage Support and Facebook Enabled Moodle Module", 7th International Conference on Ubi-Media Computing and Workshops, 2014.
25. Eman. Y. Daraghmi and and Shyan. M. Yuan, "In-domain neighborhood approach to heterogeneous dynamic load balancing in real world network," presented at the 14'th International Conference on Parallel and Distributed Computing, Applications and Technologies (PDCAT'13), Taipie , Taiwan, 2013.
26. Eman. Y. Daraghmi and and Shyan. M. Yuan, "Using graph theory to re-verify the small world theory in an online social network word," presented at the Proceedings of the 14th International Conference on Information Integration and Web-based Applications and Services, Bali, Indonesia, 2012
27. Eman. Y. Daraghmi and and Shyan. M. Yuan, "PMR: Personalized Mobile Restaurant System," presented at the The International Conference on Computer Science and Information Technology (CSIT 2013), Amman-Jordan, 2013.
28. Eman.Y. Daraghmi, Chia.F. Lin, Shyan. M. Yuan, Mobile Phone Enabled Barcode Recognition for Preferences Monitoring, in: M. Zhou, H. Tan (Eds.), Springer Berlin Heidelberg, 2011, pp. 297-302.

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**RESEARCH INTERSET**

BLOCKCHAIN, MOBILE COMPUTING, Mobile learning , game learning, augmented reality, cloud computing, distributed systems

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**AWARDS**

- CacaFly company scholarship, Taiwan, 9/2013-8/2014.
- National Chiao Tung scholarship for high academic performance, Taiwan, 2011-Present.
- CacaFly company scholarship, Taiwan, 9/2012-8/2013.
- Computer Science Honor Degree for high academic performance, National Chiao Tung University, Taiwan, October, 2010.
- National Chiao Tung scholarship for high academic performance, Taiwan, 2009-2011.

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**REVIEWER OF  
JOURNALS**

- The International Journal of E-Learning and Educational Technologies in the Digital Media.

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**TECHNICAL COMMITTEE  
MEMBER**

- ICFNDS 2017
- Pacific Asia conference on information systems
- International Conference on Mechanical and Electrical Technology
- Undergraduate Research Conference on Applied Computing.