

Mahmoud Elkhoully, Ph.D.

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<https://scholar.google.com/citations?user=hmw-sPIAAAAJ&hl=ar&oi=ao>



Short Biography

- ➔ Mahmoud M. EL-KHOULY obtained his B.Sc. degree from Helwan University in 1983. He pursued further studies and earned his first master's degree from the same university in Egypt in 1994. In 1995, he completed his second master's degree in computer sciences from Cairo University. He further expanded his academic credentials by obtaining a Doctorate of Philosophy in computer sciences from Saitama University, Japan, in 2000.

Throughout his career, Mahmoud held various academic positions. He began as a Lecturer at Temple University Japan (TUJ) in 2001. From 2005 to 2008, he served as the cultural attaché at the Egyptian embassy in London, UK. In 2009, he took on the role of head of the management information system project at Helwan University in Egypt. From 2012 to 2013, he held the position of vice dean for education and student affairs at the Faculty of Computers & A.I., Helwan University. Dr. El-Khouly has made significant contributions to research, with over 90 research papers published in conferences and journals. Currently, he serves as a Vice dean for postgraduate studies in the Faculty of Computer and A.I., Helwan University, Egypt.

His research interests span various areas, including Software Agent, e-learning, Information Retrieval, Network security, and Cloud computing.

Employment History

@ Faculty of Computer and A.I., Helwan University, Egypt

- 2023 – Present ➔ **Vice Dean** (Postgraduate studies)
2014 – 2022 ➔ **Head of Department** (Information Technology)
2012 – 2014 ➔ **Vice Dean** (Education & Students Affairs)

@ Arab Open University (AOU), Egypt

- 2009 - 2021 ➔ **Visiting professor** (*part time*)

@ Helwan University, Egypt

- 2009 – 2010 ➔ **PI** (Management information system project)

@ University of Bolton, UK

- 2007 – 2009 ➔ **Visiting research fellowship**

@ Egyptian Embassy, UK

- 2005 – 2008 ➔ **Culture Attache'**

@ Qatar University, Qatar

- 2003 – 2004 ➔ **Visiting professor**

Employment History (continued)

@ Arab Academy for Science, Technology and Maritime Transport (AASTMT), Egypt

2002 - 2003 ➔ **Lecturer (part time)**

@ Temple University, Japan

2000 - 2001 ➔ **Lecturer**

Past Projects Management

- 2009 - 2010 ➔ **Vice PI** of the "Students Assessment Project, Helwan University," contributing to the establishment of 7 Students Assessment units, enabling the assessment of over 90,000 students annually. These labs were specifically designed to evaluate student performance using automated systems. The project was funded with 3,000,000 L.E.
- 2009 - 2010 ➔ **PI** of the "Management Information System Project, Helwan University," successfully automating the online activities of 27 faculties, improving data accessibility and reducing administrative processing time by 40%. The project secured 471,000 L.E. in funding.
- 2009 - 2010 ➔ **Management board member** for the "Helwan University Portal Project," playing a key role in maintaining the portal used by over 150,000 students and staff, ensuring 99% uptime. The project was funded with 500,000 L.E.
- 2009 - 2010 ➔ **Management team member** for the "Support of Focal Point Activities to Promote, Facilitate, and Enhance Egyptian Participation in EU Funded Research Programs," particularly the 7th EC Framework Program for RTD.
- 2005 - 2007 ➔ **PI** of the "Web-based Graduate Diploma in Computer Science," responsible for planning, designing, and implementing the project to offer a diploma in computer science through e-learning infrastructure, leading the creation and deployment of 12 e-learning courses,
- 2000 - 2001 ➔ **PI** of the "Automating the Culture Office at Egypt Embassy - Japan," delivering a fully functional system within 6 months, which improved office workflow efficiency by 30% through the implementation of automated processes. 1999 - 2000 **PI** of the "Egypt Air - Tokyo - Japan Portal" project.
- 2009 - 2010 ➔ **Team member** of the project to automate the Cabinet Information and Decision Support Center, Egypt, implementing two software systems: the Cost Center Program and the Purchasing Program.

Education

- 1996 - 2000 ➔ **Ph.D. Computer & Information Technology**
Graduate School of Science and Engineering, University of Saitama, Japan
- 1990 - 1995 ➔ **M.Sc. Computer Science**
Institute of Statistical Studies and Research, Cairo University, Egypt
- 1990 - 1994 ➔ **M.Sc. Applied Mathematics**
Faculty of Science, Helwan University, Egypt
- 1983 - 1987 ➔ **B.Sc. Mathematics & Operation Research (Very Good with Honors)**
Faculty of Science, Helwan University, Egypt

Academic Society Memberships

- 2005-Now ➔ **Chief Editor, Journal of Information Society (JIS)**
- 2005 ➔ **International Association of Computer Science and Information Technology (IACSIT)**
- 2005 ➔ **Computer Science Teachers Association (CSTA)**

Scholarships

- 1996 ➔ **Mext, Ministry of Education, Culture, Sports, Science and Technology, Japan**

Award

- 2007 ➔ **Ambassador for Peace, from Universal Peace Federation Interreligious and International Federation for World Peace, UK**
- 1986 ➔ **Ideal student, Faculty of Science, Helwan University, Egypt**
- 1987 ➔ **Ideal student, Faculty of Science, Helwan University, Egypt**

Publications

Books

- 1 Mahmoud M. El-Khouly & Nahla Elhagar, "Internet Technology", LAP LAMBERT Academic Publishing, Germany, 2017, ISBN (978-3-330-05623-7).
- 2 Mahmoud M. El-Khouly, Book Chapter "Egypt", The Springer Handbook of E-learning in the Middle East and North Africa (MENA) Region, edited by Alan S. Weber and Sihem Hamlaoui, by Springer Verlag in Spring, 2017.
- 3 Mahmoud M. El-Khouly, "The impact of social networking sites on the Arab community", Book Chapter "Cultural, Behavioral, and Social Considerations in Electronic Collaboration", November, 2015, ISBN13: 9781466695566, DOI: 10.4018/978-1-4666-9556-6.
- 4 Mahmoud M. El-Khouly, Book Chapter "Cases On Challenges Facing E-Learning AND National Development" Institutional Studies and Practices "elearning in EGYPT", Vol. I, Editor: Ugur DEMIRAY, Anadolu University-2010, Eskisehir-Turkey.

Peer-reviewed Journal Articles

- 1 Nagwa G. Ali, Fahad K. El Sheref, Mahmoud M. El khouly, "A Hybrid Model for Covid-19 Detection using CT-Scans", (IJACSA) International Journal of Advanced Computer Science and Applications, Vol. 14, No. 3, 2023.
- 2 Samr Gamal Zanaty, Mahmoud Mohamed Elkhoully, "A Comprehensive Survey of Non-Factoid Systems Question-Answering", Journal of Information Society, ISSN 2356-9328, Vol.9, PP. 9-17, 2023.
- 3 Bishoy Moussa, Mahmoud El-Khouly, "Metaverse: A survey of streaming and communications optimizations", Journal of Information Society, ISSN 2356-9328, Vol.9, PP. 1-8, 2023.
- 4 Maged Wafy, Samr Gamal Zanaty and Mahmoud Elkhoully, "Video Identification Based on Watermarking Schemes and Visual Cryptography", Computer Systems Science & Engineering, DOI: 10.32604/csse.2022.018597.
- 5 Nagwa G. Ali, Fahad K. El Sheref, Mahmoud M. El khouly, "A Survey on COVID-19 Detection Using Deep Learning Techniques", Journal of Information Society, ISSN 2356-9328, Vol.8, PP. 14-19, 2022.
- 6 Alaa A.Khalifa, Mahmoud El-Khouly, "A Study on Virtual Reality Technologies", Journal of Information Society, ISSN 2356-9328, Vol.8, PP. 7-13, 2022.
- 7 Samr Gamal Zanaty, Mahmoud M. Elkhoully, "A Survey of Live Streaming Video Platforms Used in E-Learning", Journal of Information Society, ISSN 2356-9328, Vol.8, PP. 1-6, 2022.
- 8 S. Kavitha, K. Janani, J. Satheesh Kumar, Mahmoud M. Elkhoully, AND T. Amudha, "Multi Label Feature Selection Through Dual Hesitant q-Rung Orthopair Fuzzy Dombi Aggregation Operators", IEEE ACCESS, ISSN: 2169-3536, Volume: 10, 2022, Pages: 67771 – 67786, DOI: 10.1109/

ACCESS.2022.3185765

<https://ieeexplore.ieee.org/document/9804723>

- 9 Udhayakumar Kandasamy, Fathalla A. Rihan, Rakkiyappan Rajan, Mahmoud M. El-Khouly, "New Fixed-Time Stability Theorems for Delayed Fractional-order Systems and Applications", IEEE ACCESS, ISSN: 2169-3536, Volume: 10, 2022, Pages: 63230 – 63244, DOI: 10.1109/ ACCESS.2022.3183149
- 10 Samar Saeed, Shehab Elbatal and Mahmoud M. El-Khouly, "Automatic Arabic Text Diacritization Systems: A Comparative Study", Journal of Information Society, ISSN 2356-9328, Vol.7, PP. 1-15, 2021.
- 11 Rana Wafeek Mansy, Mohamed Helmy Megahed, Marwa Salah, Mahmoud M. El-khouly, "A Proposed Security Algorithm for Securing IoT Data", International Journal of Computer Science and Information Security (IJCSIS), ISSN 1947-5500, Vol. 19 No. 6., June 2021.
- 12 Maged Wafy, Samr Gamal Zanaty, Mahmoud Elkhoully, "Video Identification Based on Watermarking Schemes and Visual Cryptography", Computer Systems Science & Engineering (CSSE), DOI: 10.32604/csse.2021.018597, 2021.
- 13 Shehab Elbatal, Samar Saeed and Mahmoud M. El-Khouly, "Enhancing Arabic Diacritization Using Advanced Deep Learning Algorithm", Journal of Information Society, ISSN 2356-9328, Vol.6, PP. 1-5, 2020.
- 14 Ahmed Ragab and Mahmoud M. El-Khouly, "Gray Visual Cryptography Algorithm for Secret Sharing", International Journal of Computer Science and Mobile Computing (IJCSMC), ISSN: 2320-088X, Vol. 9, Issue. 7, pg.154 –166, July 2020.
- 15 Ahmed Ragab and Mahmoud M. El-Khouly, "Color Visual Cryptography Scheme for Secret Sharing", Journal of Information Society, ISSN 2356-9328, Vol.5, PP. 1-7, 2019.
- 16 Mahmoud M. El-Khouly, Rola Motawie, and Maged Hussien Wafy, "Multi-layer Systems to secure Software Component as a Service (SCaaS)", International Journal of Applied Engineering Research ISSN 0973-4562 Volume 13, Number 12 (2018) pp. 10227-10233.
- 17 Motawie Rola and Mahmoud M. El-Khouly, "Software Component As A Service (SCaaS) Defense In Depth", Journal of Information Society, ISSN 2356-9328, Vol.4, Mar., PP. 8-14, 2018.
- 18 Mahmoud M. El-Khouly, "Free Style Learning Object Materials as a Service", Journal of Information Society, ISSN 2356-9328, Vol.4, Mar., PP. 1-7, 2018.
- 19 Mahmoud M. El-Khouly, "A Framework for Securing a Software Component as a Service (SCaaS) Layer ", Journal of Information Society, ISSN 2356-9328, Vol.3, Sep., PP. 1-8, 2017.
- 20 Mahmoud M. El-Khouly and M. Samir Abou El-Seoud, "Malware Detection in Cloud Environment (MDCE)", International Journal of Interactive Mobile Technologies (ijIM), Vol 12, No 1, February 2017.
- 21 Mahmoud M. El-Khouly, " Arab Community under Social Networking Sites effect", AUSTRALIAN JOURNAL OF BASIC AND APPLIED SCIENCES, 11(1): PP.1-6, 2017.
- 22 Mahmoud M. Elkhoully, "Software Component as a Service (SCaaS)", AUSTRALIAN JOURNAL OF BASIC AND APPLIED SCIENCES, 10(16): 45-51, 2016.
<http://www.ajbasweb.com/old/ajbas/2016/November/45-51.pdf>
- 23 Rola, Motawie; Mahmoud, EL-Khouly; and M. Samir Abou El-Seoud, "Security Problems in Cloud Computing", International Journal of Recent Contributions from Engineering, Science & IT (iJES), Vol 4, No 4, pp. 36-40, December 2016.
<http://online-journals.org/index.php/i-jes/article/view/6538>
- 24 Rola Motawie, Mahmoud M. El-Khouly, Maged Hussien Wafy, "Addressing Security Issues in Cloud Computing", European Journal of Scientific Research, Volume 138 Issue 2, 2016.
- 25 Ebtessam M. Desouky and Mahmoud M. El-Khouly, "A Survey on Clustering Software Components for efficient component retrieval", Journal of Information Society, ISSN 2356-9328, Vol.1, No.1, pp6-12, 2015
- 26 Mohamed Ellisy, Mahmoud Mostafa and Mahmoud El-Khouly, " Multi-Dimension Authentication for Web Service", Journal of Information Society, ISSN 2356-9328, Vol.1, No.1, pp1-5, 2015.
- 27 Mahmoud M. El-Khouly, " Study on the Use and Impact of Online Social Networking in Egypt", Journal of Emerging Technologies in Web Intelligence Vol. 7, No. 1, November 2015.
<http://www.jetwi.us/uploadfile/2015/1029/20151029055223695.pdf>
- 28 Bishoy Moussa, Mahmoud Mostafa, Mahmoud El-Khouly, "XML Schema-Based Minification for Communication of Security Information and Event Management (SIEM) Systems in Cloud Environments, (IJACSA) International Journal of Advanced Computer Science and Applications, Vol. 5, No. 9, 2014.
- 29 Ehab M. Al-khafajy, Taha M. Mohamed, Mahmoud M. El-Khouly, "A cloud based security system for cellular phones", IJREAT International Journal of Research in Engineering & Advanced Technology, Volume 2, Issue 3, June-July, 2014 .

- 30 Safaa Salam Hatem, Maged H. wafy, Mahmoud M. El-Khouly, "Malware Detection in Cloud Computing", (IJACSA) International Journal of Advanced Computer Science and Applications, Vol. 5, No. 4, 2014.
- 31 M. Samir Abou El-Seoud, Islam A.T.F. Taj-Eddin, Naglaa Seddiek, Mahmoud M. El-Khouly, Ann Nosseir, "E-Learning and Students' Motivation: A Research Study on the Effect of E-Learning on Higher Education", International Journal of Emerging Technologies in Learning (IJET), Volume 9, Issue 4 (2014). ISSN: 1863-0383. <http://online-journals.org/index.php/i-jet/article/view/3465>
- 32 Nahla El_Hagggar, Mahmoud M. Elkhoully, Samah S. Abu El Alla, " A New Technique for Relational Database Protection", International Journal of Computer Applications (IJCA), Vol. 88, No. 6, February 2014.
<http://www.ijcaonline.org/archives/volume88/number6/15354-3814>
- 33 Samir El-Seoud, Islam Taj-Eddin, Naglaa Seddiek, Pauline Ghenghesh, Mahmoud El-Khouly, "The Impact of E-Learning on Egyptian Higher Education and its Effect on Learner's Motivation: A Case Study", Computer Science and Information Technology 2(3): 179-187, 2014.
http://www.hrpub.org/journals/article_info.php?aid=1429
- 34 Nahla El_Hagggar, Mahmoud M. Elkhoully, Samah S. Abu El Alla, "Blind Watermarking Technique for Relational Database ", COMPUSOFT, An international journal of advanced computer technology, 2 (5), May-2013 (Volume-II, Issue-V), pp 121-126.
[http://ijact.in/research_paper/compusoft_2\(5\)_121-126.pdf](http://ijact.in/research_paper/compusoft_2(5)_121-126.pdf)
- 35 Ezzat A. Korany, Fatma S. Gad El-Rab, Mahmoud M. El-khouly, "A New Relation in SOA Model for Composite Web Service Atomic Transaction, International Journal of Engineering and Science Invention (IJESI), Vol. 2 – Issue 4 (April 2013 Ver 3). P-ISSN: 2319-6726.
<http://www.ijesi.org>
- 36 M. Samir Abou El-Seoud, Hosam F. El-Sofany, Islam A. T. F. Taj-Eddin, Ann Nosseir1 & Mahmoud M.El-Khouly, "Implementation of Web-Based Education in Egypt through Cloud Computing Technologies and Its Effect on Higher Education", Higher Education Studies; Vol. 3, No. 3; 2013, ISSN 1925-4741.
<http://www.ccsenet.org/journal/index.php/hes/article/view/27423>
- 37 Ebtessam Mohamed Desouky& Mahmoud Mohamed El-Khouly, " A Clustering Internet Search Agent for User Assistance", International Journal of Computing Academic Research (IJCAR), ISSN 2305-9184, Volume 1, Number 1 (October 2012), pp. 45-50.
<http://www.meacse.org/ijcar>
- 38 Mahmoud M.El-Khouly, "ECAKP: Encrypt Collect Authenticate Kill Play", The International Journal of Multimedia & Its Applications (IJMA) ISSN: 0975-5578 (online), 0975-5934 (print).
http://airccse.org/journal/ijma_current11.html
- 39 I.A. Badr, M. M. El-Khouly, "FAIN: Filtering agent for internet", International Journal of Information Science and Technology, Vol 6, No 2, ISSN 1726-8125, 2008.
- 40 Mahmoud M. El-Khouly, "CD-Rom use in e-learning", European Journal of Open, Distance and E-learning, (EURODL), ISSN:1027-5207, 2008.
- 41 Mahmoud M. El-Khouly, "Web-Based Graduate diploma in computer sciences", E-Learning Journal, Vol. 4, No. 4, 2007, pp. 464-470.
<http://www.wwwords.co.uk/elea/>
- 42 Mahmoud M. El-Khouly, "Multi-Phase Adaptation for Broker Agents", Iranian Journal of Information Science and Technology, ISSN: 17268125, Vol. 4, No.2, (2006).
- 43 Mahmoud M. El-Khouly, "Assessment Checking for Web-Based Courses", Journal of Institute of Mathematics & Computer Sciences, Vol. 17, No. 1 (June, 2006).
- 44 Mahmoud M. El-Khouly, "E-learning Model Using ASP", Journal of Institute of Mathematics & Computer Sciences, Vol. 16, No. 2 (Dec, 2005).
- 45 E.A. Sarhan, Mahmoud M.El-Khouly, Iman A. Badr, "A Multi-Agent System for Collecting and Recommending Web Documents", Eng. J. of the Univ. of Qatar, Vol. 18 (2005), pp 141-147.
- 46 Mahmoud El-Khouly, Behrouz H. Far and Zenya Koono, "Expert Tutoring System for Teaching Computer Programming Languages", Journal of Expert Systems With Applications, Vol. 18, No.1,2000.
- 47 Behrouz H. Far, H. Hajji, S. Saniepour, S.O. Soueina and M.El-Khouly, "Formalization of Organizational Intelligence for Multiagent System Design", IEICE Transactions on Information & Systems, Japan. 2000.
- 48 Mahmoud El-Khouly, Behrouz H. Far and Zenya Koono, "Agent-Based Computer Tutorial System –An Experimental for Teaching Computer Languages (ATCL)-", Special issue for Intelligent Agents for Computer-Based Educational Systems of the Journal of Interactive Learning Research, 1999.
- 49 Mahmoud El-Khouly, Behrouz H. Far and Zenya Koono, "Data Dictionary Support for Reusing Components in Automatic Software Design", Information Processing Society of Japan (KBSE) 98-19, pp. 57-64, 5-6 Nov. 1998.

Refereed Conference Proceedings

- 1 Samir A. El-Seoud, Mahmoud El-Khouly, Islam A.T.F. Taj-Eddin, "Strategies to Enhance Learner's Motivation in E-learning Environment", World Engineering Education Forum 2015, Florence, Italy, 20-24 September 2015
- 2 Mahmoud M. El-Khouly, " Study on the Use and Impact of Online Social Networking in Egypt", 2015 International Conference on Frontiers Educational Technologies (ICFET 2015), July 29-30, 2015, Shanghai, China.
- 3 Samir A. El-Seoud, Mahmoud El-Khouly, Islam A.T.F. Taj-Eddin, "Motivation in E-learning: How do we keep learners motivated in an e-learning environment?", 2015 International Conference on Frontiers Educational Technologies (ICFET 2015), July 29-30, 2015, Shanghai, China.
- 4 El-Seoud, M. Samir; Seddiek, Naglaa; Taj-Eddin, Islam A.T.F.; Ghenghesh, Pauline; Nosseir, Ann; El-Khouly, Mahmoud M., " E-Learning and Motivation Effects On Egyptian Higher", 16th International Conference on Interactive Collaborative Learning and 42nd International Conference on Engineering Pedagogy, Kazan, Russia· 25-27 September 2013.
- 5 Samir El-Seoud, Naglaa Seddiek, Islam Taj-Eddin, Pauline Ghenghesh, and Mahmoud El-Khouly, "The Effect of E-learning on Learners' Motivation: A Case Study on Evaluating E-Learning", The International Conference on E-Learning in the Workplace; ICELW 2013, June 12th -14th, 2013, Columbia University, New York, USA.
- 6 Mahmoud M.El-Khouly, "Digital Students Support in Higher Education: Experiences from Egypt", 5th International Conference on New Trends in Education and Their Implications, 25-28 April 2013. Antalya- Turkey.
- 7 Ahmed Sharaf-Eldin, Ayaa Kamal, Mona Nasr, Sahar Attia, Mahmoud El-Khouly, Sherif Yehia, Adel Elsayed , " A Performance Evaluation for Conceptual Representation Tools", ", 4th International M3C Workshop on 'Interaction with Content', Riga, Latvia, July 15-17, 2009.
- 8 Elsayed, A.; El-Khouly, M., "A Case Study on Using Conceptual Mapping", Advanced Learning Technologies, 2008. ICALT apos;08. Eighth IEEE International, Spain, Volume , Issue , 1-5 July 2008 Page(s):1077 – 1078.
- 9 Mahmoud M. El-Khouly, "Graduate diploma in computer sciences through WWW –A case study–", IADIS International conference e-learning 2007, Lisbon, Portugal, Vol. II, pp. 267-271, 6-8 July 2007.
- 10 Mahmoud M. El-Khouly, Samir Abou El-Seoud, " Web-based Learning Systems From HTML To MOODLE – A Case Study –", ICL2006 Conference September 27 -29, 2006 Villach, Austria.
- 11 Mahmoud M.El-Khouly, Samir A. El-Seoud, A. M. Rashad, Nahla M. El-Hossany, "A Tutoring Course On Radition Physics", 4th International Internet Education Conference (ICT-Learn 2005) Towards Information Society, WSIS II September 6 - 8, 2005, Cairo, Egypt
- 12 Mahmoud M.El-Khouly, Samir A. El-Seoud, "Using Web-Based Course to Enhance Educational Process in Qatar – A Case Study", 1st International E-Business Conference, 23-25 June, Tunisie, 2005.
- 13 Mahmoud M.El-Khouly, Samir A. El-Seoud, "On Line Student Model", 1st International Conference on E-Business and E-Learning, PSUT, Amman, Jordan, May 23-24, 2005.
- 14 Kandel A. , Mahmoud M. El-Khouly, M. AbdEl-Hakeem, "Tutoring system for Teaching HTML Through WWW", Information and Communication Technologies: From Theory to Applications (ICTTA) Proceeding, PP 107-108, 19-23 April, Damascus, Syria, 2004.
- 15 Mahmoud M. El-Khouly, "Web-Based Assessment of a Programming Class", Information and Communication Technologies: From Theory to Applications (ICTTA) Proceeding, PP 109-110, 19-23 April, Damascus, Syria, 2004.
- 16 Samir Abou El-Seoud, Mahmoud M. El-Khouly, "Information System Design Methodologies: Software development and Methods of Integration", Information and Communication Technologies: From Theory to Applications (ICTTA) Proceeding, PP 573-574, 19-23 April, Damascus, Syria, 2004.
- 17 Mahmoud M.El-Khouly, "An Evaluation of Using Web-Based Course to Enhance Educational Process in Qatar", 31 May – 2 June, ITHET 2004, Turkey.

- 18 Mahmoud M.El-Khouly, Iman A. Badr, "Effective of ga-nbc using fat", WSEAS Int. Conf. on e-activities Singapore, December 9-12, 2002.
- 19 Mahmoud M. El-Khouly, "Spider Tutoring System For Teaching Computer Programming Languages", E-Learn 2002-World Conference on E-Learning in Corporate, Government, Healthcare, and Higher Education, Montreal, Canada, October 15-19, 2002.
- 20 Mahmoud M.El-Khouly, Iman A. Badr, "Combining Learning with Evolution to Filter Search Engine Results", International Symposium on Robotics and Automation (ISRA 2002), Toluca, Mexico, September 1-4, 2002.
- 21 Mahmoud El-Khouly, Behrouz H. Far and Zenya Koono, "Multi-Phases Adaptation for Reuse Software Components", 8th International Conference on Artificial Intelligence Applications, Egypt. Feb. 3-6, 2000.
- 22 Mahmoud El-Khouly, Behrouz H. Far and Zenya Koono, "Teaching Computer Programming Languages through WWW", International Conference on Mathematics/Science Education and Technology (1), USA, 145-150, 2000.
- 23 Mahmoud El-Khouly, Behrouz H. Far and Zenya Koono, "A Multi-agent Based Tutoring System (I-ATCL) for Teaching Computer Programming Language", ICCE99 7th Int. Conf. On Computers in Education, Chiba, Japan, Nov. 4-7, 1999.
- 24 Mahmoud El-Khouly, Behrouz H. Far and Zenya Koono, "Software-Agent For Reuse Software Components", 7th International Conference on Artificial Intelligence Applications (ICAIA'99), Egypt. pp. 299-306, Feb. 3-6, 1999.
- 25 Z. Koono, Peijin Ma, Hui Chen, Behrouz H. Far and M. M. El-Khouly, "Human Knowledge to be Applied to Communications Service", International Conference on Communications Technology (ICCT'98), Beijing China, Vol.2, pp. S44-04 105, 1998.
- 26 Mahmoud El-Khouly, Behrouz H. Far and Zenya Koono, "Cooperative Agent-Based Support For Reusing Software Components", Workshop on Multi-Agent and Cooperative Computation (MACC'98), Japan. Dec. 9-11, 1998.
- 27 Mahmoud El-Khouly, Behrouz H. Far, Aboul Ella Hassanine and Zenya Koono, "Reuse Software Components in Multi-Agent Environment", 33rd Annual Conference on Statistics, Computer sciences and Operations Research, Egypt. Dec.12-14, 1998.
- 28 Osman H. & El-Khouly M., "Tutoring Education System for BASIC Language", 3rd Conference in Computer between theory and application, Marina time Transportation Academy, Alexandria, Egypt, 1993.

Travel Grants

- 2016 ➔ **Travel Grant**, OIC member states, Pakistan for Designing the future of innovation and entrepreneurship in OIC member states, workshop, Guilan, Iran.
- 2002 ➔ **International Conference Grant**, Helwan University, Egypt for E-Learn 2002-World Conference on E-Learning in Corporate, Government, Healthcare, and Higher Education, Montreal, Canada.

Graduate Students' Supervision

Doctorate Theses

- ➔ **Ebtsam Mohamed Desouky**, 2024, "Clustering model to support reuse software components"
- ➔ **Ahmed Mohamed Rageb**, 2022, "Improvements in Visual Cryptography Scheme"
- ➔ **Rola Ahmed Motawa**, 2018, "Security Model to Secure Reusing Software components On Cloud Environment"

Master Theses

- ➔ **Nagwa Galal Ali**, 2023, "Diseases detection model using CT scans"
- ➔ **Rana wafeek Manse**, 2022, "A proposed security model for internet of things (IOT) data "
- ➔ **Samar Gamal Zanaty Abd Alla**, 2020, "Video identifying based on Watermarking Schemes and Visual Cryptography"
- ➔ **Mohamed Ellisy**, 2017, "Multi-Dimension Authentication for Web Service"
- ➔ **Bishoy Badie Fahmy Moussa**, 2016, "Communication of Security Information and Event Management (SIEM) Systems for Cloud Environments"
- ➔ **Ehab Maan Turki**, 2014, "A Cloud Based Security System for Cellular Phones"
- ➔ **Safaa Salam Hatem**, 2014, "malware detection in cloud computing"

- ➔ **Samah Said Abu El Alla**, 2013, "An Enhanced Watermarking Methodology for Relational Database Protection"

Scientific Reviews

Served as peer reviewer for:

- ➔ Cogent Business & Management
- ➔ Journal of Information Society
- ➔ International Journal of Energy Society

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