

RESUME/ CURRICULUM VITAE

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Nationality: Egyptian

CAREER PROFILE/SUMMARY

Osama E. Sheta is currently working as Assistant Professor in Collage of Computer Science and Information Technology, Al Baha University, Al Baha, Saudi Arabia Since August 2012. I completed PhD in Technical Science (System analysis, management and information processing) from Irkutsk State Technical University, Irkutsk, Russia in 2011. I completed MSc in Computer Science from Zagazig University, Zagazig, Egypt in 2005. I obtained BSc in Computer sciences, Operational Researches and Statistics from Zagazig University, Zagazig, Egypt in 1998. During my professional career i remained involved in academia as well as assistant Lecturer, Lecturer and assistant professor in Zagazig University, Zagazig, Egypt. Being involved in various development projects related to Information Systems and Data Warehousing environment. Currently my main research interest is Recommended Systems in health care systems

EDUCATION/ACADEMIC QUALIFICATIONS

- 2011 **PhD** in Technical Science (System analysis, management and information processing)
Title: Method and Tools for Constructing the Data warehouse and Knowledge to Support Research in Energy.
Irkutsk State Technical University, Irkutsk, Russia
- 2005 **MSc** in Math (Computer Science)
Title: On Constructing Hypermedia Systems Using Object-Relational Database.
Zagazig University, Faculty of Science, Zagazig, Egypt
- 1999 **Post Graduate** Courses (MSc) in Math (Computer Science).
Zagazig University, Faculty of Science, Zagazig, Egypt
- 1998 **BSc** in Computer sciences, Operational Researches and Statistics (Very Good with Hounr Grade).
Zagazig University, Faculty of Science, Zagazig, Egypt

EMPLOYMENT HISTORY

- **Assistant Professor**
Computer Information Systems Department, Faculty of Computer Science & Information Technology, Al-Baha University, Al-Baha, Saudi Arabia. **2015 – Present**
- **Assistant Professor**
Computer Science & Information Systems Department, Faculty of Science, Al-Baha University, Al-Baha, Saudi Arabia. **Aug 2012 – 2015**
- **Assistant Professor**
Computer Science Department, Faculty of Science, Zagazig University, Zagazig, Egypt. **2011 – 2012**
- **Assistant Lecturer**
Computer Science Department, Faculty of Science, Zagazig University, Zagazig, Egypt. **2005 – 2007**
- **Teaching Assistant**
Computer Science Department, Faculty of Science, Zagazig University, Zagazig, Egypt. **2000 – 2005**

PUBLICATIONS

Publications in Scopus Journals list

1. Majzoob K Omer, **Osama E Sheta**, Mohamed S Adrees, Deris Stiawan, Munawar A Riyadi, Rahmat Budiarto. Deep Neural Network for Heart Disease Medical Prescription Expert System. Indonesian Journal of Electrical Engineering and Informatics (IJEEI), Volume 6, Issue 2, Pages 217-224, 2018.
2. Majzoob K Omer, Mohamed S Adrees, **Osama E Sheta**. Recommend Stages Model to Implement EGovernment Application Strategies. Journal of Engineering and Applied Sciences. 13 (16): 6708-6712, 2018
3. Fayed F. M. Ghaleb, Amani A. Saad, **Osama E. Sheta**. An Object-Oriented Database for Hypermedia Systems / Alexandria Engineering Journal, Vol. 43, No. 3, May 2004.

Publications in Conferences (Scopus Journals list)

4. RF Rahmat, R Ramadhan, D Arisandi, MF Syahputra, **O Sheta**. Rangka Alu – A Traditional East Nusa Tenggara Game in Android Platform. 2nd International Conference on Computing and Applied Informatics 2017, Journal of Physics: Conf. Series 978 (2018) 012103.
5. MF Syahputra, D Arisandi, AF Lumbanbatu, LF Kemit, EB Nababan, **O Sheta**. Augmented reality social story for autism spectrum disorder. 2nd International Conference on Computing and Applied Informatics 2017, Journal of Physics: Conf. Series 978 (2018) 012040.

Publications in Conferences

6. **Osama E. Sheta**. A Data Warehouse to Support Research Energy Systems / Proceedings of XXXVI International Conference "Information technologies in science, sociology, economics and business" Gurzuf (Crimea, Ukraine), 2009, 127-128p.
7. L.N. Takayshvili, **Osama E. Sheta**. Engineering of document repository for coal industry development research / Proceedings of the 11th international workshop on computer science and information technologies (CSIT'2009), Greece, Crete, 2009, № 3, 41-45 p.

8. **Osama E. Sheta**. Development Retrospective Database Study of the Coal Industry / III Proceedings of All-Russian Conference "Wiener read" [electronic resource] - 204 HPE - Irkutsk: Irkutsk State Technical University, 2009.
9. A.N. Kopyaygorodsky, **Osama E. Sheta**. Data Warehouse Architecture to Support Research of Energy Systems / XIV Proceedings of the Baikal-Russia Conference "Information and Mathematical Science and Technology Management" - Irkutsk: ESI SB RAS, 2009, 202-207p.
10. **Osama E. Sheta**. Implementing a Document Repository for Research Energy / XV Proceedings of the Baikal-Russia Conference "Information and Mathematical Science and Technology Management", Volume III. - Irkutsk: ESI SB RAS, 2010, 103 – 110p.
11. **Osama E. Sheta**. Using Metadata in the Design Data Warehouse to Support Research Energy Systems / XL Proceedings of Young Scientists "The Energy Systems Research" - Irkutsk: ESI SB RAS, 2010, 362-366p.

Publications in Other Refereed Journals

12. **Osama E. Sheta**, Mohamed S. Adrees, Majzoob K. Omer, Hamza AlShawabka and Elturabi Habib. Improving the CF Algorithm Based on User Behavior to Complement the User-Item Rating Matrix. Journal of Basic and Applied Sciences, 2(2) (2018) 13–19.
13. Yusuf Perwej, Bedine Kerim, Mohmed Sirelkhtem Adrees, **Osama E. Sheta**, An Empirical Exploration of the Yarn in Big Data, International Journal of Applied Information Systems (IJ AIS), Foundation of Computer Science FCS, New York, USA, Volume 12 – No. 9, December 2017
14. Mohamed Sir Elkhtem, **Osama E. Sheta**, Majzoob Kamal Aldein Omer, Cloud Computing Adoption in the Higher Education (Sudan as a model): A SWOT Analysis, American Journal of Information Systems, 2016.
15. Mohamed Sir Elkhtem, **Osama E. Sheta**, Majzoob Kamal Aldein Omer. Recommend Stages Model to Implement EGovernment Application Strategies, International Journal of Core Engineering & Management (IJCEM), 2015.
16. **Osama E. Sheta**, Majzoob Kamal Aldein Omer and Mohamed Sir Elkhtem, Measuring the Blood Sugar Level and Time (BSLT) Using Mobile Strategy to Remote Monitoring of DIABETES Chronic Diseases for Children in North African Countries, Journal of Biomedical Engineering and Medical Imaging (JBEMi), ISSN:2055-1266 vol.2, ISSUE 4 Page No 1, 2015.
17. Majzoob Kamal Aldein Omer, Mohamed Sir Elkhtem, **Osama E. Sheta**, Alternative Central Mobile Application Strategy to Deaf and Dumb Education in Third World Countries, International Journal of Soft Computing and Engineering (IJSCE), 2015.
18. Mohamed Sir Elkhtem, **Osama E. Sheta**, Majzoob Kamal Aldein Omer, Cloud Computing Architecture for Higher Education in The Third World Countries Republic of the Sudan as Model), International Journal of Database Management Systems (IJDMS), 2015.
19. Mohamed Sir Elkhtem, **Osama E. Sheta**, Majzoob Kamal Aldein Omer, Management and Controlling Tourism Activity and Services (MCTAS) at ALBAHA City Using GIS, IJCSN International Journal of Computer Science and Network, 2015.
20. **Osama E. Sheta**, Ahmed Nour Eldeen. Evaluating a Healthcare Data Warehouse for Cancer Diseases. IRACST - International Journal of Computer Science and Information Technology & Security (IJCSITS), ISSN: 2249-9555 Vol. 3, No.3, June 2013, 237 - 241 p.
21. **Osama E. Sheta**, Ahmed Nour Eldeen. The Technology of Using a Data Warehouse to Support Decision-Making in Health Care. International Journal of Database Management Systems (IJDMS) Vol.5, No.3, June 2013. DOI: 10.5121/ijdms.2013.5305, 75 - 86 p.
22. **Osama E. Sheta**, Ahmed Nour Eldeen. Building a Health Care Data Warehouse for Cancer Diseases / International Journal of Database Management Systems (IJDMS) Vol.4, No.5, October 2012. DOI: 10.5121/ijdms.2012.4503, 39 - 46 p.
23. **Osama E. Sheta**. The Technology of Data Warehousing and Knowledge in Research Energy / Electronic Journal, № 10, 2010, <http://technomag.edu.ru/>.
24. **Osama E. Sheta**. Implementation of Document Repository for Energy Studies / Pacific Science Review, Vol. 12, № 2, 2010.

25. L.V. Massel, **Osama E. Sheta**, A.N. Kopaygorodsky. Development of Data Warehouse and Knowledge to Support the Researches in Power Engineering/Journal ISTU, №5(45)2010,11-16 p.

PRESENTATIONS

- Al Baha University, Uppsala University Symposium on Quality in Computing Education - Saudi Arabia February 2015 (ABU3QCE 2015).
- The First International Conference of the Faculty of Education (Education Prospects of the Future) Al Baha University, Saudi Arabia April 2015
- Al Baha University, Uppsala University on Quality in Computing Education - Saudi Arabia, 2014.
- Fundamentals of Program Assessment Workshop, ABET, 2014

RESEARCH FUNDS/GRANTS

- Use Recommended System Algorithm (Collaborative Filtering) To Help New Students to Choose the Right Disciplines at Albaha University, Financing by Albaha University (43.000 Riyals). Team: **PI: Osama E. Sheta**, **Co-PI:** Mohamed S. Adrees, Majzoob K. Omer, Hamza AlShawabka

TEACHING EXPERIENCE

Al-Baha University, Faculty of Computer Science & Information Technology, Saudi Arabia. **2012 - Present**
Assistant Professor (Computer Information Systems Department)

Teaching experience: -

- Foundations of Information Systems
- Systems Analysis and Design
- Algorithm and Data Structures
- IS Project Management
- Enterprise Systems
- Object Oriented Design & Development
- Software Engineering
- Web Development
- Human-Computer Interaction
- Enterprise Architecture
- Senior Project for CS
- Big Data
- Multimedia
- Object-oriented programming
- Database Systems and Design
- Recommender Systems
- Data Warehouses
- Introduction to Programming
- Probability and Statistics
- Design and Analysis of Algorithms
- Operating Systems
- Computer Graphics
- Knowledge Base Systems

Zagazig University, Faculty of Science, Zagazig, Egypt. **2011 - 2012**
Assistant Professor (Information Systems & Computer Science)

Teaching experience: -

- Operating System
- Computer Graphics
- Data Structures
- Artificial Intelligence
- Compilers
- Structured programming
- Object-oriented programming
- Analysis and Design of Information Systems
- Database Systems
- Database Design
- Data Warehouses

- File Organization and Processing
- Knowledge Base Systems
- Neural Networks
- Computer Interfaces

Zagazig University, Faculty of Science, Zagazig, Egypt.
Assistant Lecturer and Administrator

2000 - 2007

Teaching experience (theoretical and practical training) in the following: -

- **Information Systems & Computer Science**

Introduction to Computers – Concepts of Programming Languages – Algorithms – Graph Theory – Operations Research – Operating Systems – Compilers – Logic Design – Artificial Intelligence – Data Structures – Object-Oriented Programming – Object Oriented Databases – Database Design – Database Systems – Data Warehouses – Data Mining – Microprogramming – Analysis and Design of Information Systems.

- **Programming Languages**

The Procedural Programming Languages and Object-Oriented: Fortran – Basic – Pascal – C Language – C++ – C# – Java – Visual Studio .NET.

Database Management Systems: SQL – Oracle 11G – FireBird – InterBase – SQLServer.

Logical Programming Languages: Prolog

Zagazig University, Faculty of Science, Zagazig, Egypt.
Assistant Professor (Computer Science)

2011 – 2012

MS/Graduate Level Courses

1. Data Warehousing
2. Data Mining

Master Thesis Supervised

- “Advanced Clustering Algorithms for Gene Expression Data Analysis” by Sameh Yousof, 2017.
- “Multimedia Metadata Management on the Web” by Reham Yusree, 2015.
- “Building a Health Care Data Warehouse for Cancer Diseases” by Ahmed Nour Eldeen, 2013

COMMITTEES

Al-Baha University, Faculty of Computer Science & Information Technology, Saudi Arabia.
Assistant Professor (Computer Information Systems Department)

2012- Present

Academic Experience:

- Coordinator of the department Computer Information Systems
- Chair of Unit of Student Affairs of Computer Science & Information Technology college
- Member of Academic Affairs committee.
- Member of Academic Advising unit
- Member of Quality and Accreditation unit

Academic Experience:

- Coordinator of the department Computer Information Systems
- Member of Academic Advising unit
- Member of Quality and Accreditation unit

AWARDS

- Melentiev Energy Systems Institute, Siberian Branch of the Russian Academy of Sciences, 2011

SERVICE/OTHER RELEVANT EXPERIENCE/PROJECTS

- Consultant in the deanship of quality and accreditation- albaha university, 2018.
- Reviewer of International Journal of Database Management Systems (IJDMS), 2013 – present.
- Member of Development of the methodological approach to construction of data warehouse and knowledge warehouse and tools for intelligent information support of energy studies and their testing on the example of studies on coal industry (practical significance of the PhD) Irkutsk State Technical University, Irkutsk, Russia, 2009 – 2010.

PROFESSIONAL DEVELOPMENT

- **Saudi Digital Library (SDL) – 2015**
 - IGI-Global Journals &Books
 - SAGE Knowledge (eBooks)
 - Basics of Scientific Research
 - Oxford academic studies online
- **Al-Baha University 2014 – 2015**
 - Using Blackboard System.
 - Using information technology in learning.
- **Faculty and Leadership Development Centre, Egypt - 2011**
 - University Teacher Preparation
 - Effective Presentation Skills
 - Student Evaluation and Examinations Techniques
 - Using Technology in Education
 - Effective Teaching
 - Effective Research Skills

MEMBERSHIP OF PROFESSIONAL SOCIETIES

- Membership of the international board of the 2nd International Conference on Computing and Applied Informatics (ICCAI) 2017.
- Membership of Editorial board of International Journal of Database Management Systems (IJDMS) 2013.

REFERENCES

- Professor Fayed F. M. Ghaleb, Department of Mathematics, Ain Shams University, Cairo, Egypt. fmghaleb@yahoo.com
- Professor Amani Saad, Arab Academy for Science, Technology and Maritime Transport, Alexandria, Egypt. amanisaad2008@gmail.com, [linkedin.com/in/amani-saad-43409224](https://www.linkedin.com/in/amani-saad-43409224)
- Professor L V Massel, Melentiev Energy Systems Institute of Siberian Branch of the Russian Academy of Sciences, Lermontov str., 130, Irkutsk, Russia. massel@isem.sei.irk.ru