ALMETWALLY MOHAMED MOSTAFA
PERSONAL DETAILS

Date of Birth	Dakahlia (AL Mansoura) 21 July 1968
Nationality	**Egyptian - Belgian resident from December 1999 to 2004**
Sex	Male
Marital Status	Married
Current Address	King Saud University, college of computers and information systems, information systems department KSA 00966553468908 e-mail: almetwaly@ksu.edu.sa

RESEARCH SUPPORT

RC120917 Project Supported by CRC (collage of Computers Research Centre)
"A novel Approach based on static Ownership Protocol For Multi-Primary Backups Approach"

RC130393 Project Supported by CRC (collage of Computers Research Canter)
"Energy-aware leadership transfer protocol for MANETs"

HONORS AND AWARD

Description	Year	Donor
WaferCatalyst Best Paper Award	*2013*	*King Abdulaziz City for Science and Technology KACST*
Egyptian Government channel Fellowship 2000-2002	*2000-2002*	*Ministry of Higher Education in Egypt*
Graduation Award for being ranked the second with honour degree on my cohort	*1991*	*Department of Computers & Systems, Faculty of Engineering, Al.Azhar University*
Annual Award for being ranked second on my cohort - Received four times	*1988-1990*	*Department of Computers & Systems, Faculty of Engineering, Al.Azhar University*
Ranked Nation's 3rd best high school graduate student, Egypt	*1986*	*Mashyakhat Al.Azhar & Dakahlia's Governorate in Egypt*

Computer Languages	*Declarative: Experience with Oz (Mozart), C/C++, and Pascal.* *Object Oriented: Experience with Oz. And C++* *Formal: Good knowledge of Prolog.* *Good experience of UNIX/LINUX and Windows*
Natural Languages	*Mother tongue is Arabic. V.Good in written and spoken English and. Good spoken Basic French knowledge.*

WORK EXPERIENCE

February 2012 February 2013	*Vice Chairman, Information Systems Department*
September 2008 until now	**Assistant Professor** at College of Computers science & Information systems King Saud University KSA.
Oct 2007 September 2008	**Assistant Professor** at College of Computers & Information systems AlTaif University KSA.
15 June 2004 Oct. 2007	**Lecturer** at Systems & Computers Dept., Alazhar University Egypt.
January 2002 15 June 2004	**Researcher** at CETIC http://**www.cetic.be** (Belgium) ORAGE Project aims to develop an abstraction (Middleware) that supports fault-tolerant distributed applications. We concentrate to mask network partitions problems. I build a middleware called GlobalStore as a library with Oz language http://www.mozart-oz.org/mogul/info/mostafa/almetwally.html.
December 2001 December 1999	**Ph.D. student & researcher** at INGI/INFO Catholique University of Louvain, computer & information science dept.(Belgium) http://www.info.ucl.ac.be I was working as assistant lecturer for three courses plus my work with my thesis. I start building a transactional object store supporting a disconnect mode. Member of PIRATES Project http://www.info.ucl.ac.be/~pvr/dist_old.html
March 1993 December 1999	*Assistant lecturer and M.Sc. Student At Alazhar University, Computers & Systems Dept., (Cairo, Egypt) Teacher's assistant for several courses Research on the intelligent databases especially objects oriented databases. I developed an object oriented database management systems that works with Expert systems using SICStus Prolog.*

ACADEMIC DEGREES
Member of IS BS Curriculum , student affair, research committee

1998 to 2004	*Ph.D. in Systems and Computers. Title: "distributed transactional store supporting network partitioning". Alazhar University, Department of Computers and Systems, Faculty of engineering, Nasr city, Cairo in collaboration program with Université catholique de Louvain, computer & information science dept.* *The dissertation explored building a Transactional replicated store capable to deal with network partitioning phenomena.* *Most of the work of thesis were supervised for more than three years at Université catholique de Louvain, computer and information science department (INGI/INFO) under the supervision of Prof. Peter Van Roy http://www.info.ucl.ac.be/~pvr/Metwallythesis/.*
1993 to 1997	*M.Sc. in Systems and Computers. Title: "intelligent database design: hardware architecture as case study". Alazhar University, Department of Computers and Systems, Faculty of engineering, Nasr city, Cairo* *The M.Sc. explored mismatch problems between persistent data used by expert systems, and ordinary database management systems such as SQL. We develop a new model for object oriented database management systems that can Be used by AI languages especially SICStus Prolog.*
1986 to 1991	*B.Sc. of systems and computers with general rate of appreciation very good with honour degree. Alazhar University, Department of Computers and Systems, Faculty of engineering, Nasr city, Cairo, Egypt.*

Other Certificates awarded or advanced courses attended

Cloud infrastructure and services (CIS)	*EMC2*	*September 2013*
Cryptography workshop and training	*Prince Muqrin chair for information security technology*	*June 2010*

Teaching with Active Learning *Assessing Student Learning* *Blackboard Training course* *Skills of evaluating student performance* *Student assessment and class management* *Course design and construction* *Effective teaching and active learning* *Micro teaching "application and discussion"*	*Deanship Of Skills Development*	*2009/2010*
Oracle SQL (30 Hours) *SQL/PL (30 Hours)* *Forms (30 Hours)*	*Oracle Egypt*	*15 April* *3/05/07*

PUBLICATIONS

IN BOOKS OR JOURNALS

o   Al Metwally M. Mostafa, Ahmad Youssef, and Gamal alshorbagy. "AFramework FOR A SMART SOCIALBLOOD DONATION SYSTEM BASEDON MOBILE CLOUD COMPUTING." Health Informatics-An International Journal (HIIJ) Vol.3, No.4, November 2014 DOI: 10.5121/hiij.2014.3401

o   Al Metwally M. Mostafa, Ahmad Youssef , Improving Scalability and Availability in Replication Systems Based on Object Ownership Distribution. Arabian Journal of Science & Engineering (AJSE), Springer (ISI journal Impact Factor 0.367) accepted paper

o   Al Metwally M. Mostafa, Ahmad Youssef, PRP:A Primary Replacement Protocol Based on Early Discovery of Battery Power Failure in MANETs. Accepted paper to be appear in MULTIMEDIA TOOLS AND APPLICATIONS (ISI journal with Impact Factor 1.024)

o   Al Metwally M. Mostafa, Ahmad Youssef , A Primary Shift Protocol for Improving Availability in Replication Systems IJCA (International Journal of Computer Applications)June 2013 Edition of

o   Al Metwally M. Mostafa , Mohamed N., Harb H. (2007).Insuring locality: a load balancing protocol for fully replicated system, Al-Azhar University Engineering Journal, JAUES Vol. 2, No. 10, Apr. 2007.

o   Nahed El Desouky, Al Metwally M. Mostafa, M.S. Zaki , Heba Fathy "A New Load Balancing Approach for Fully Replicated System," Mansoura Journal for Computer Science and Information Systems, Vol. 4 No. 4, Jan 2008.

o   Almetwally Mostafa, A model for an object oriented database management system, published by the Ain Shams scientific bulletin. 1997

IN CONFERENCES, SYMPOSIUM OR WORKSHOPS

o   Al Metwally M. Mostafa, Ahmad Youssef, Multi-Primary Ownership Partitioning Protocol For Highly Scalable and Available Replication Services 2nd Saudi International Electronics, Communications and Photonics Conference , Riyadh 30 - 27 April, 2013 SIECPC '13

o   Mostafa, A.M.; Youssef, A.E., "A multi-primary ownership partitioning protocol for highly scalable and available replication services," Electronics, Communications and Photonics Conference (SIECPC), 2013 Saudi International , vol., no., pp.1,5, 27-30 April 2013 doi: 10.1109/SIECPC.2013.6550740

o   Al Metwally M. Mostafa, Ahmad Youssef, A Leader Replacement Protocol Based on Early Discovery of Battery Power Failure in MANETs.Accepted paper at ICISA2013,The 4th International Conference on Information Science and Applications, orgamnized by Center for Industry Security (CIS), Korea Industry Security Forum (KISF), and Kyonggi University, June 24-26, 2013, Hilton Pattaya Hotel, Thailand .

- Mostafa Almetwaly M., GlobalStore: an abstraction for building fault-tolerant collaborative applications, In: Proceedings de CaberNet Radicals Workshop, Madeira Island, 24-27 février 2002, 2002. (Diffusé, Scientifique - portée international) http://www.info.ucl.ac.be/Research/Publication/2002/publications-0-INGI-2002.html
- GlobalStore: A practical fault-tolerant store abstraction, Almetwally Mostafa First PEPITO Project Workshop, Paris Jan 31st-Feb 1st 2002. INRIA Rocquencourt http://www.sics.se/pepito/D6.1/index.html
- GlobalStore: distributed object store supporting network partitioning PEPITO Workshop, Stockholm July 1st-2nd 2002 http://www.sics.se/pepito/workshop2.htm