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Biography

Born in Kousba El koura, Lebanon. I received a B.Sc. and a M.Sc. in informatics from the Lebanese University, Fanar, Beirut, and a Ph. D. degree also in informatics from the Aristotle University of Thessaloniki, Greece in 1996. Currently, I am an Assistant professor at Notre Dame University Louaizeh, Lebanon. My research interests include the areas of Information systems design, database technology, medical database systems, information systems security, and data mining.

Peer-reviewed Journals

International

- Pangalos G., Khair M., Bozios L., "Enhancing medical database security", journal of medical systems, USA, Vol. 18, No.4, 1994, pp 159- 171.
- Joannis Mavridis, Christos Georgiadis, George Pangalos, Marie Khair, "Access control based on attribute certificates for medical Intranet applications", Journal of Medical Internet Research, March 2001, Issue 1, Volume 3.
- Chady El Moucary , Marie Khair, Walid Zakhem, "Improving Student's Performance Using Data Clustering and Neural Networks in Foreign-Language Based Higher Education", International Journal of ACM Jordan, Volume 2, Issue 3, 2011, ISSN: 20787952.
- M. Khair, W. Zakhem, C. El Moucary, "Solving Probation and Change-of-Major Issues in Higher Education Using Data Mining Techniques", International Journal of Multidisciplinary Sciences and Engineering, vol. 3, no. 11, pp. 6–11, November 2012.
- L. Khalil, M. Khair, J. Abi Nassif, "Management of student records: Data access right matrix and data sharing", in Journal of procedia computer science, Elsevier, ISSN:1877-0509, April 2015.

Peer-reviewed Conference Proceedings

Local

- Khair M., "An Implementation of RBAC Features for Medical Databases Access Control", National council for Scientific research and Lebanese Association for the advancement of science, 13th Science Meeting, LAU Beirut, 2-4 November 1999.
- Khair M., "Security Issues in the Lebanese National Infrastructure", Lebanese Information Infrastructure: Vision and Promises, Balamand University, 5-6 November, 1999.

International

- Pangalos G., Pomportis A., Khair M., Bozios L., "Development of secure medical database systems,

- procedures" in conference on database and expert systems applications, DEXA '94, September 1994.
- Pangalos G., Khair M., Bozios L., "An integrated secure design of a medical database system", accepted as a "research paper" in: MEDINFO'95, The 8th World Congress on Medical Informatics, Vancouver, Canada, July, 1995.
 - Pangalos G., Gritzalis D., Khair M., Bozios L., "Improving the security of medical database systems", published in: IFIP/SEC'95 international conference on information systems security, 1995.
 - Pangalos G., Khair M., "Design of secure medical database systems", published in: IFIP/SEC'96, 12th international information security conference, 1996.
 - Khair M., "Design and implementation of a secure medical database", in Proceedings of the 1st meeting of the IKAROS Greek Computer Society's human network for the Security, Quality, and Reliability in Information & Communication Technologies, May, 1996
 - Pangalos G., Khair M., and Tzelepi S., Integrating content-based security constraints in a medical image database, EuroPACS'96, the 14th International EuroPACS Meeting, 1996.
 - Khair M., Pangalos G., Andria F., Bozios L., "Implementing Security On A Prototype Hospital Database", the Fourteenth International Congress on Medical Informatics in Europe, MIE 97, May 1997.
 - Tzelepi S., Pangalos G., Khair M., "Security of Medical Image Databases", the Fourteenth International Congress on Medical Informatics in Europe, MIE 97, May 1997.
 - Tzelepi S., Pangalos G., Khair M., "Data Protection Issues of Medical Image Databases", The sixth Panhellenic Informatics conference, Athens, December 1997.
 - Khair M., Mavridis I., Pangalos G., "Design of Secure Distributed medical Database Systems", Lecture Notes in Computer Science, Database and Expert Systems Applications, 9th International Conference, DEXA'98, Vienna, Austria, August 1998.
 - Mavridis I., Pangalos G. and Khair M., "An Implementation of RBAC Features for Medical Databases Access Control", Health care information management conference, HC99, Harrogate United Kingdom, 22 - 24 March 1999.
 - Khair M., Mavridis I. and Pangalos G., "Design of Secure Distributed Database Systems with Application to the Healthcare Environment", in Proceedings of 2nd International AI Shaam Conference on Information technology, Damascus, Syria, April 1999.
 - Mavridis I., Pangalos G. and Khair M., "A Role-Based Security Policy for Access Control in Electronic Health care Record", in Proceedings of EUROREC99 Conference, Seville, Spain, May 1999.
 - Tzelepi S., Pangalos G., and Khair M., "Classification of Multimedia Medical Records for Improved Access Control", in Proceedings of EUROREC99 Conference, Seville, Spain, May 1999.
 - Mavridis I., Pangalos G., Khair M. and Bozios L., "Defining Access Control Mechanisms for Privacy Protection in Distributed Medical Databases", in Proceedings of IFIP Working Conference on User Identification and Privacy Protection, Stockholm, Sweden, June 1999.
 - Mavridis I., Pangalos G. and Khair M., "eMEDAC: Role-based Access Control Supporting Discretionary and Mandatory Features", in Proceedings of 13th IFIP WG 11.3 Working Conference on Database Security, Seattle, Washington, USA, July 1999.
 - Khalil N, Eid D., Khair M., "Availability and Reliability Issues in Distributed Databases using Optimal Horizontal Fragmentation", Database and Expert Systems Applications, 10 th international conference, DEXA'99, Florence, Italy, August 30 –September 3, 1999.
 - Mavridis I., Georgiadis C., Pangalos G. and Khair M., "Using Digital Certificates for Access Control in Clinical Intranet Applications", in Proceedings of the 5th World Congress on the Internet in Medicine (MEDNET 2000), Brussels, Belgium, November 2000.
 - Pangalos G., Khair M., Mavridis I., "Security Considerations in Designing Distributed Medical Databases", in Honorary Volume dedicated to Professor Emeritus I. D. Mittas, Aristotle's University of Thessalonica, Thessalonica, Greece, 2000, pp. 391 - 406.
 - Bechara M, and Khair M., "Trust-Based Diagonal Replication on Grid Databases", at the International Arab Conference on Information Technology (ACIT'2006), Yarmouk University, Jordan, December 19-21, 2006.
 - Bassam Aoun and Marie Khair, "Mining the web for learning the ontology" at the 2nd international conference on software and data technologies, ICSOFT 07, 22-25 July 2007, Barcelona, Spain.
 - Bechara M, and Khair M., "Secure Diagonal Replication in Grid Database." at Current Trends in the Theory and Applications of Computer Science (CTTACS07) NDU February, 2008.
 - C. El Moucary, M. Khair, W. Zakhem, "Educational Data mining for the Engineering Students at NDU," 18th International LAAS Science Meeting: New Discoveries in Science, NDU, 22-24 March 2012.
 - M. Khair, C. El Moucary, W. Zakhem, "Creating an Educational Roadmap for Engineering Students via an Optimal and Iterative Yearly Regression Tree using Data Mining", in Proceedings of the 4th International Conference on Knowledge Engineering and Ontology Development, SciTePress. DOI: 10.5220/0004130300430052, pp. 43-52, Barcelona, Spain, 4-7 October, 2012.
 - L. Khalil, M. Khair, T. Daaboul, L. El Hajje "Exploratory Social Network Analysis with Pajek: Case Study on Student Group Performance" in the proceedings of the The 19th International Conference on Circuits, Systems, Communications and Computers (CSCC 2015), July 2015, Greece.
 - L. Khalil, M. Khair, M. El Hajje, "Assessment of Remedial and Introductory Math Courses : a Case Study" in the proceedings of the The 19th International Conference on Circuits, Systems, Communications and Computers (CSCC 2015), July 2015, Greece.