CURRICULUM VITAE

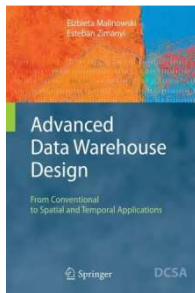|	
NAME:	**Elzbieta Malinowski Gajda**
DATE OF BIRTH:	**September 1, 1957**
GENDER:	**Female**
PLACE OF BIRTH:	**Glogow, Poland**
MARITAL STATUS:	**Happily Married**
NATIONALITY:	**Costa Rican**
ADDRESS	**Apdo 605-2050 San Pedro, San José, Costa Rica, Central America**
E-MAIL ADDRESS:	**elzbieta.malinowski @ucr.ac.cr**
	elzbieta.malinowski@gmail.com

EDUCATION

2003-2006 Doctoral studies funded by the Cooperation Department of the Université Libre de Bruxelles, Computer & Decision Engineering Department (CoDe), Faculty of Applied Science, Université Libre de Bruxelles, Belgium.
Title: Doctor in Applied Sciences.

2002-2003 Academic master studies (Diplôme d'Etudes Approfondies - DEA), funded by the Cooperation Department of the Université Libre de Bruxelles, Computer & Decision Engineering Department (CoDe), Faculty of Applied Science, Université Libre de Bruxelles, Belgium.
Title: DEA of Applied Sciences.

1994-1996 Academic master studies sponsored by FULBRIGHT-LASPAU scholarship program, in the Department of Computer, Information Sciences, and Engineering, University of Florida in Gainesville, USA.
Title: Master of Science.

1982-1983 Ph.D. studies in Software Engineering at the Leningrad W.I.Ulyanov (Lenin) Electrotechnical Institute, former URSS: not completed.

1977-1982 Computer Science studies founded by URSS government, Leningrad W.I.Ulyanov (Lenin) Electrotechnical Institute, former URSS
Titles:
  - Master of Science in Engineering
  - Engineer in Computer Engineering

1976-1977 Computer Engineering studies, Wroclaw Polytechnic Institute, Poland: first year approved.

1972-1976 Glogow High School, Poland.

1964-1972 Glogow Primary School, Poland.

EXPERIENCE

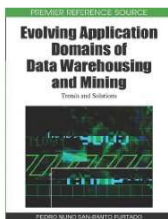|	
March 2010 – July 2011	Research project "Spatial databases as an alternative for providing map services in an integrated environment". Project coordinator, University of Costa Rica.
October 2006 – August 2007	Researcher at the Université Libre de Bruxelles, Faculty of Applied Science, Computer & Decision Engineering Department (CoDe). On leave from the University of Costa Rica.
March 2002 – October 2002	Research project "Planning of the Development of the Information System Model to Support Decision Making at the University of Costa Rica". Project coordinator , department of Computer and Information Science,University of Costa Rica.
August 2002 – October 2002	Research project "Abstentionism in Costa Rica: Who they are and why they did not vote in national elections?". Project participant, Social Research Institute, University of Costa Rica.
March 2002 – October 2002	Research project "Impacts of Using Communication and Information Technologies in Education and Staff Evaluation". Project participant, Department of Computer and Information Science, University of Costa Rica.
May 2001 October 2002	Professional Consultant in the area of data warehousing, OLAP and data mining for different public organizations/institutions and private companies in Costa Rica.
March 2001 October 2002	Research project "Analysis and Evaluation of Software for Fraud Detection". Project participant, Instituto Nacional de Seguros (National Insurance Company), Costa Rica.
Abril 1997 – March 2005	"Research Program in Databases". Collaboration, Department of Computer and Information Science, University of Costa Rica.
May 1997 to October 1999	Research project "Design and Implementation of Database of the Biological Collection to Access Directly from WWW". Project coordinator, School of Biology, University of Costa Rica.
March 1997 – July 1999	Research project "Association rules extraction for high-volume databases". Collaboration, Department of Computer and Information Science, University of Costa Rica.
September – December 1996	Research project "A new tool for teaching in biological science: computerized access to biological collection of University of Costa Rica", collaboration, Department of Computer and Information Science, University of Costa Rica.
1985 to date	Full-time professor with tenure at the highest level in the university at the Department of Computer and Information Science, University of Costa Rica. Principal courses: databases, software engineering, data warehouse, OLAP, data mining, programming languages, analysis of algorithms in the pre-graduate and graduate (master) level.
1981-1982	Participation in the national project on the transmission of meteorological information throughout the country, former URSS

PUBLICATIONS

Books

Malinowski, E. and Zimányi, E. "Advanced Data Warehouse Design: From conventional to Spatial and Temporal Applications". Springer, 2008.

Book chapters:

Malinowski, E. "Improving Expressive Power in Modeling Data Warehouse and OLAP Applications". In P. Furtado (ed.) *Evolving Application Domains of Data Warehouse and Mining: Trends and Solutions*, pgs.16-40. IGI Global, 2010.

Malinowski, E. "Requirements Specification and Conceptual Modeling for Data Warehouses". In V. Ferraggine, J. Doorn, L. Rivero (eds.) *Handbook of Research on Innovations in Database Technologies and Applications: Current and Future Trends*, pgs. 65-73. IGI Global, 2009.

Malinowski, E. "Different Kinds of Hierarchies in Multidimensional Models". In V. Ferraggine, J. Doorn, L. Rivero (eds.) *Handbook of Research on Innovations in Database Technologies and Applications: Current and Future Trends*, pgs. 45-55. IGI Global, 2009.

Malinowski, E. "Spatial Data in Multidimensional Conceptual Models". In V. Ferraggine, J. Doorn, L. Rivero (eds.) *Handbook of Research on Innovations in Database Technologies and Applications: Current and Future Trends*, pgs. 56-64. IGI Global, 2009.

Malinowski, E. and Zimányi, E. "Conceptual Modeling for Data Warehouse and OLAP Applications". In J. Wang (ed.) *Encyclopedia of Data Warehousing and Mining*, 2nd edition, pgs. 293-300. IGI Global, 2009.

Malinowski, E. and Zimányi, E. "Extending a Conceptual Multidimensional Model for Representing Spatial Data". In J. Wang (ed.) *Encyclopedia of Data Warehousing and Mining*, 2nd edition, pgs. 849-856. IGI Global, 2009.

Malinowski, E. and Zimányi, E. "Temporal Extension for a Conceptual Multidimensional Model". In J. Wang (ed.) *Encyclopedia of Data Warehousing and Mining*, 2nd edition, pgs. 1929-1935. IGI Global, 2009.

Articles in international journals

Malinowski, E. and Zimányi, E. "A Conceptual Model for Temporal Data Warehouses and its Transformation to the ER and Object-Relational Models". *Data and Knowledge Engineering*, DKE 64(1): 101-133, 2008.

Malinowski, E. and Zimányi, E. "Logical Representation of a Conceptual Model for Spatial Data Warehouses". *GeoInformatica* 11(4): 431-457, 2007.
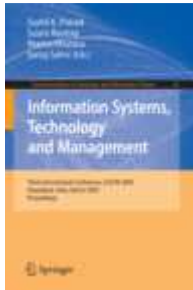

Malinowski, E. and Zimányi, E. "A Conceptual Solution for Representing Time in Data Warehouse Dimensions". Journal of the *Australian Computer Science Communications,* 28(6): 45-54. Proceedings of the 3rd Asia-Pacific Conference on Conceptual Modeling, APCCM'06, 2006.

Malinowski, E. and Zimányi, E. "Hierarchies in a Multidimensional Model: From Conceptual Modeling to Logical Representation". *Data and Knowledge Engineering*, DKE, 59(2): 348-377, 2006.

Articles in international proceedings

Malinowski, E. "Improving Expression Power for Modeling OLAP hierarchies". *Proceedings of the 3rd Int. Conference on Information Systems*, *Technology, and Management, ICISTM-09,* NCR Delhi, India. CCIS 31, pgs. 19-30. Springer, March 2009.

Malinowski, E. "Some Research Proposals and Challenges for Spatial Data Warehouses". *Proceedings of Geospatial Science Forum: Abstract volume*, Hyderabad, India. GIS Development, pg.44 February 2009.

Malinowski, E. and Zimányi, E. "Implementing Spatial Data Warehouse Hierarchies in Object-Relational DBMSs". In *Proc. of the 9th International Conference on Enterprise Information Systems, ICEIS 2007*, Funchal, Madeira, Portugal. INSTICC Press, pgs. 186-191, June 2007.

Malinowski, E. and Zimányi, E. "Spatial Data Warehouse: Some Solutions and Unresolved Problems". In *Proceedings of the IEEE ICDE 2007 Workshops: Databases for Next-Generation Researchers, SWOD2007*, Istanbul, Turkey. IEEE Computer Society Press, pages 1-6. Istanbul, Turkey, April 2007.

Malinowski, E. and Zimányi, E. "Requirement Specification and Conceptual Modeling for Spatial Data Warehouses". In R. Meersman, Z. Tari, P. Herrero, et al. (eds.) *Proceedings of the OTM 2006 Workshops: On the Move to Meaningful Internet Systems*, SeBGIS'06, Montpellier, France. LNCS 4277, pgs. 1616-1625, Springer, October 2006.
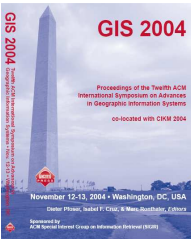
Malinowski, E. and Zimányi, E. "Object-relational Representation of a Conceptual Model for Temporal Data Warehouses". In E. Dubois and K. Pohl (eds.) *Proceedings of the 18th Int. Conference on Advanced Information Systems Engineering*, CAiSE'06, Luxembourg, Grand-Duchy of Luxembourg. LNCS 4001, pgs. 96-110, Springer, 2006.

Malinowski, E. and Zimányi, E. "Inclusion of Time-varying Measures in Temporal Data Warehouses". In Y. Manolopoulos, J. Filipe, P. Constantopoulos, and J. Cordeiro (eds.) *Proceedings of the 8th Int. Conference on Enterprise Information Systems*, ICEIS'06, Paphos, Cyprus. INSTICC Press, pgs. 181-186, May 2006

Malinowski, E. and Zimányi, E. "Spatial Hierarchies and Topological Relationships in the Spatial MultDimER model". In M. Jackson, D. Nelson, and S. Strik (eds.) *Proceedings of the 22nd British Nat. Conference on Databases*, BNCOD22, Sunderland, England, UK. LNCS 3567, pgs. 17-28, Springer, July 2005.

Malinowski, E. and Zimányi, E. "Representing Spatiality in a Conceptual Multidimensional Model". In D. Pfoser, I. Cruz, and M. Ronthaler (eds.) *Proceedings of the 12th ACM Int. Symposium on Advances in Geographical Information*, ACM GIS'04, Washington, USA. ACM Press, pgs. 12-21, November 2004.

Malinowski, E. and Zimányi, E. "OLAP Hierarchies: a Conceptual Perspective". In A. Persson and J. Stirna (eds.) *Proceedings of the 16th Int. Conference on Advanced Information Systems Engineering*, CAiSE'04, Riga, Latvia. LNCS 3084, pgs. 477-491, Springer., June 2004.

Malinowski, E. and Chakravathy, S. "Fragmentation Techniques for Distributing Object-Oriented Databases". In D. Emblay and R. Goldstein *Proceedings of the 16th International Conference on Conceptual Modeling,* ER '97, Los Angeles, California, Springer, pp. 347-360, November 1997.

National publications

24 publications in national journals from 1993 until 2002
4 publications in national conferences from 1993 until 2002.

SKILLS

Languages	Fluently: Polish, Russian, Spanish, and English. Moderate: French.
Computer Languages	C, C++, C#, Java, Turbo Pascal, PL/1, Cobol, Basic, 36 Systems Assembler and Assembler for 80/86 series
DBMS Systems	My SQL, PostgreSQL, Oracle, Informix, SQL Server.
Oracle DBMS	Database Administrator, Database Tuning, Developer 2000/Build Forms, Developer 2000/Build Reports, Introduction to Oracle: SQL and PL/SQL with Procedure Builder, and Modeling and Design of Database. (Oracle Certificates obtained in July 2000 and July 1999).

HONORS

Red Diploma	Highest award in the former URSS. The student is required to obtain excellent ratings in 75% of the subjects of the professional career at the Institute and at least very good ratings for the remaining 25%. Excellent rating should also be obtained for the graduation thesis.
Awards in High Scholl	Granted at the completion of high school, entitling him/her to enroll in any university of the country without presenting the admission exam
Awards in Primary Scholl	Granted at completion of primary school, giving the student the right to continue his/her studies in any high school without presenting the admission exam.

OTHER ACTIVITIES

University of Costa Rica

July 2010- to date	Representative of the Engineering Area for the Committee on Academic Rules, the highest university organ for evaluation purposes
April 2010- to date	Department representative to the Wellness and Health Office
August 2007 – to date; November 1996- October 2002	Member of the Commission for the Master Degree Program
November 2000- October 2002; December 1992- March 1994	Representative of the Department at the Collegiate Assembly, which is the highest collegiate body of the UCR.
August 2001- October 2002	Coordinator of the Curriculum Evaluation Commission
August 2001- October 2002; July 1992- March 1994	Coordinator of the Commission on Research and Final Graduation Thesis collegiate body of the UCR.
April 1993- March 1994	Coordinator of the Evaluation and Orientation Commission
April 1993- March 1994	Coordinator of the Area of Information Systems
January 1986- March 1994	Coordinator of the Commission on Textbooks

Other international enrollment

September 2010	The ENLACE project grant under the Seventh Framework Programme (FP7) for Research and Technological Development to develop activities related to support the bi-regional scientific cooperation between the European Union and Costa Rica.
March 2010 – to date	Invited editing member of the "Journal of Intelligent Information Systems" (JIIS) http://www.latingeo.net/lab_geo/index.php?
January 2010	Invited speaker "Time Management: How to Represent and Query Time-varying Spatial Data Using Database approach", Universidad Politécnica de Madrid, LatinGEO laboratory, Madrid, Spain http://www.latingeo.net/lab_geo/index.php?
September 2009	Keynote talk "Multidimensional Model: From Conceptual to Implementation Perspectives" 13th East-European Conference on Advances in Databases and Information Systems, Riga, Latvia. http://www.adbis2009.org/

April 2009	Organizer of the Conference on Geomatics on the national level with the invited speaker, Dr. Yván Bédard from the Laval University, Québec, Canadá.
April 2009 – to date	Member of the Editorial Board of the International Journal of Knowledge-Based Organization (IJKBO) http://www.igi-global.com/journals/details.asp?id=34655
October 2008	Invited editor member of the special issue of the Journal on Data Semantics "Semantic Data Warehouses", volume XIII, Springer http://www.springer.com/computer/database+management+%26+information+retrieval/book/978-3-642-03097-0
October 2008 – to date	Member of the Editorial Board of the International Journal of Data Mining, Modeling and Management (IJDMMM) http://www.inderscience.com/browse/index.php?journalCODE=ijdmmm
April 2008	Member of the Program Committee of International Conference on Knowledge Generation, Communication and Management (KGCM)
May 2007 – to date	Member of the Technical Committee of the Latin American and Caribbean Collaborative ICT Research Federation (LACCIR) http://www.laccir.org/laccirTechnicalCommittee/TechnicalCommittee.aspx
July 2007	Invited member of the Editorial Committee of the International Journal of Data Warehousing and Mining. http://www.igi-global.com/journals/details.asp?id=4291
October 2007	Invited member of the Program Committee of the International Conference on Information Systems, Technology and Management (ICISTM).
May 2005	Participation in the "GEOIDE Summer School" , Québec, Canada, organized by Network of Centers of Excellence de Canada
May 2003	Participation in the "GEOIDE Summer School" , Victoria, Canada, organized by Network of Centers of Excellence de Canada