

CURRICULUM VITAE

May 2011

Dzenan Ridjanovic, Ph.D.
dzenanr@gmail.com
<http://www.modelibra.org/>
Associate Professor
Université Laval
Pavillon Palasis-Prince
2325 rue de la Terrasse
Québec (Québec) G1V 0A6
Canada

EDUCATION

Ph.D. University of Minnesota, USA, 1986
M.S. University of Maryland, USA, 1982
B.S. University of Sarajevo, B&H, 1976

EXPERIENCE IN HIGHER EDUCATION

1991 - present: Associate professor, Université Laval, Québec, Canada
2006 - present: Full professor, University of Sarajevo, B&H
2005 - 2006: Associate professor, Sarajevo School of Science and Technology , B&H
2004 - 2005: Invited professor, University of Sarajevo, B&H
2001 - 2001: Invited professor, University of Sarajevo, B&H
1995 - 1996: Invited professor, University of Minnesota, USA
1986 - 1991: Assistant professor, Université Laval, Québec, Canada

SPOKEN LANGUAGES

Bosnian
English
French

RESEARCH INTERESTS

Code Generation
Data Frameworks
Domain Modeling
Dynamic Web Applications
Meta Modeling
Object Oriented DBMS
Object Oriented Design Methods and Tools
Open Source Software
Software Components
Software Engineering
Spiral Approach to Software Design and Development
Web Frameworks

TEACHING INTERESTS

Data Frameworks
Domain Modeling
Dynamic Web Applications
Object Oriented Development
Object Oriented Databases
Patterns & Frameworks

Relational Databases
Software Engineering
Web Frameworks

PROFESSIONAL EXPERIENCE

2002 – 2004: OpenPole Inc., Research and Training, Web Software Solutions
2000 – 2001: Neosapiens Inc., Research and Development, Java Technologies
1996 – 1999: Silverrun Technologies Inc., Research Consultant, Object Oriented Technologies
1991 – 1995: CSA Research Ltd., Research and Development Director, CASE Tools
1989 – 1990: XA Systems Corporation, Product Development Manager, CASE Tools
1988 – 1989: ZEROTIME, Associate, Information Systems Methods and CASE Tools
1987 – 1988: SystemOID, Associate, Information Systems Methods and CASE Tools

SOFTWARE ENGINEERING

2000 – present: Principal developer of Modelibra software family
1998 – 1999: Project leader of Silverrun-JD (Java Designer)
1996 – 1997: Project leader of Silverrun-UM (Universal Modeler)
1995 – 1996: One of designers of Silverrun-OO (Object Oriented)
1992 – 1995: Principal designer of Silverrun-RDM (Relational Data Model)
1989 – 1991: Project leader of Silverrun-CDE (Common Development Environment)
1987 – 1988: Principal designer of Silverrun-LDM (Logical Data Model)

AWARDS

1988 – 1989: Meta-model interpretation of relational database applications, NSERC, Canada
1979 – 1980: Fulbright Scholarship, USA

SOFTWARE

Modelibra: <http://code.google.com/p/modelibra/>
MagicBoxes: <http://code.google.com/p/magic-boxes/>

BOOKS

Ridjanovic, D., *Spiral Development of Dynamic Web Applications: Using Modelibra and Wicket*, Creative Commons license, 2009.

<http://code.google.com/p/modelibra/>

Ridjanovic, D., "Modelibra Software Family", *Inovations and Advanced Techniques in Systems, Computing Sciences and Software Engineering*, Edited by Khaled Elleithy, Springer, ISBN 978-1-4020-8734-9, 2008.

Ridjanovic, D., "Rapid Development of Web Applications with Web Components", *Advances and Innovations in Systems, Computing Sciences and Software Engineering*, Edited by Khaled Elleithy, Springer, ISBN 978-1-4020-6263-6, 2007.

Riđanović, D., Mateljan, T. and V. Okanović, *mvcLite Framework*, ISBN 9958-9214-6-4, COBISS.BH ID 14996998, TDP, Sarajevo, B&H, 2006.

Ridjanovic, D., "CASE: computer-aided software/system engineering", *The Blackwell Encyclopedia of Management*, Edited by Gordon B. Davis, Blackwell Publishing, ISBN 1-4051-0065-6, 2005.

Riđanović, D., Začiragić, B. and V. Okanović, *Korištenje baza podataka u Java programskom jeziku*, ISBN 9958-9214-3-X, COBISS.BH-ID: 14602502, TDP, Sarajevo, B&H, 2005.

Riđanović, D., *Magične kutije: Spiralni pristup učenju Java programskog jezika i Swing grafičke biblioteke*, ISBN 9958-9214-2-1, COBISS.BH-ID 14405894, TDP, Sarajevo, B&H, 2005.

Ridjanovic, D., *Magic Boxes: Spiral Approach to Learning Java and Swing*, Université Laval, 2003.

Ridjanovic, D. and R. Mathieu, *Apprendre Java par l'approche spirale*, Université Laval, 1999.

Ridjanovic, D., "Data warehousing", *Encyclopedia of Management*, Edited by Carry Cooper and Chris Argyris, BLACKWELL Publishers, 1996.

Ridjanovic, D., "CASE Tools-Based Rapid Development of RDM Applications", in T.W. Olle, A.A. Verrijn-Stuart et L. Bhabuta (eds.), *Computerized Assistance During the Information Systems Life Cycle*, Elsevier Science Publishers B.V. (North-Holland), 1988.

Brodie, M.L. and D. Ridjanovic, "On the Design and Specification of Database Transactions", in M.L. Brodie and J. Mylopoulos (eds.), *Readings In Artificial Intelligence and Databases*, Morgan Kaufmann Publishers, Inc., 1988.

Brodie, M.L. and D. Ridjanovic, "On the Design and Specification of Database Transactions", in M.L. Brodie, J. Mylopoulos and J.W. Schmidt (eds.), *On Conceptual Modeling: Perspectives from Artificial Intelligence, Databases, and Programming Languages*, Springer-Verlag, 1984.

Brodie, M.L., D. Ridjanovic and E.O. Silva, "On a Framework for Information Systems Design Methodologies", in T.W. Olle, H.G. Sol and C.J. Tully (eds.), *Information Systems Design Methodologies: A Feature Analysis*, Elsevier Science Publishers B.V. (North-Holland), 1983.

JOURNALS

Ridjanovic, D. and R.W. Mantha, "Metadata Architecture for Legacy Data, Data Warehouses and User Views", *DAMA Newsletter*, New York, September 1996.

Ridjanovic, D., "From Screen Forms to RDM and From RDM to Screen Forms", *Information and Software Technology*, 34:4, pp. 219-228, Butterworth-Heinemann Ltd., UK, April 1992.

Landry, M., D. Pascot and D. Ridjanovic, "Complexité et développement de systèmes d'information comme cycle de représentation", *Technologies de l'information et société*, 2:2, pp. 7-23, Société québécoise de communication et de recherche en informatique, Association Technologies de l'information et Société (Communauté française de Belgique), 1990.

Pascot, D., D. Ridjanovic and P. Legendre, "Express-MLD: une approche de développement rapide centrée sur le modèle logique de données", *MBD - Modèles et Bases de Données*, No. 10, AFCET Informatique, Paris, July, 1988.

Ridjanovic, D. and M.L. Brodie, "Defining Database Dynamics with Attribute Grammars", *Information Processing Letters*, Vol. 14, No. 3, May 16, 1982.

CONFERENCES

Ridjanovic, D., "Model Driven Prototyping with Modelibra", *The Second International Workshop on Internet Engineering & Web Services*, InWeS-2011, Ankara, Turkey, June 26 - 28, 2011.
http://airccse.org/wimo2011/schedule_wimo2011.html

Ridjanovic, D., "Modelibra Education", *The 34th International Convention on Information and Communication Technology, Electronics and Microelectronics, Computing Sciences and Software Engineering*, MIPRO 2011, Opatija, Croatia, May 23 - 27, 2011.
<http://www.informatik.uni-trier.de/~ley/db/indices/a-tree/r/Ridjanovic:Dzenan.html>

Ridjanovic, D., "Modelibra Software Family", *International Conference on Systems, Computing Sciences and Software Engineering*, CISSE/SCSS 2007, conducted through the Internet using web-conferencing tools, December 3 - 12, 2007.
<http://cisse2007.org/>

Okanović, V. and D. Ridjanovic, "Razvoj dinamičkih web aplikacija korištenjem komponentnih framework- a ", *21st International Symposium on Information Communication and Automation Technologies ICAT 2007*, Sarajevo, B&H, October 29-31, 2007.

Ridjanovic, D., "Rapid Development of Web Applications with Web Components", *International Conference on Systems, Computing Sciences and Software Engineering*, CISSE/SCSS 2006, conducted through the Internet using web-conferencing tools, December 4 - 14, 2006.

Ridjanovic, D., "Domain Model Driven Development of Web Applications", *the 6th OOPSLA Workshop on Domain-Specific Modeling, Object-Oriented Programming, Systems, Languages and Applications - OOPSLA 2006*, Portland, Oregon, USA, October 22 - 26, 2006.

Turčinhodžić, R., Pašić, L., Fuks, A., Riđanović, D. and V. Okanović, "Web Application: Sarajevo Academy of Computer Science", *20th International Symposium on Information Communication and Automation Technologies ICAT 2005*, Sarajevo, B&H, October 3-5, 2005.

Serna, I., Ramić, B., Vasić, M., Riđanović, D. and V. Okanović, "Web aplikacija za profesore i studente", *20th International Symposium on Information Communication and Automation Technologies ICAT 2005*, Sarajevo, B&H, October 3-5, 2005.

Ridjanovic, D. and V. Okanović, "Database Framework for Web Application Development", *10th International Conference of European University Information Systems EUNIS 2004*, Bled, Slovenia, June 29 – July 2, 2004.

Ridjanovic, D., "Learning Java in Spirals", *27th International Convention MIPRO 2004*, Opatija, Croatia, May 24 - 28, 2004.

Ridjanovic, D. and V. Okanović, "Using Database Framework in Web Applications", *IEEE MELECON 2004*, Dubrovnik, Croatia, May 10-14, 2004.

Ridjanovic, D., V. Okanović and B. Začiragić, "Open Source Java Frameworks", *XIX Medjunarodni Simpozij, Informacione i komunikacione tehnologije*, B&H, Sarajevo, 2003-12-1.

Ridjanovic, D., "Pedagogical Tools for Database Design", *2nd International Conference on the Principles and Practice of Programming in Java*, Kilkenny City, Ireland, June 16-18, 2003.

Ridjanovic, D., "Model-View-Controller Pattern based Web Application Design", *XVIII Medjunarodni Simpozij, Informacione i komunikacione tehnologije*, B&H, Sarajevo, 2001-11-26.

Ridjanovic, D., "Meta-Data Architecture for Legacy Systems, Data Warehouses and Data Marts", *Data Warehousing Conference*, Phoenix, October 10 - 12, 1995.

Ridjanovic, D., "Concepts, Methods and Tools for Building Client/Server Business Applications", *CASE World*, Boston, October 19 - 21, 1993.

Ridjanovic, D., "Data and Object Driven Application Development with Relational Data Models", *CASE World: SOFTWARE-PRODUKTION*, Hamburg, Germany, November 3 - 4, 1992.

Ridjanovic, D., "Friendly Relationship of Object Oriented and Data Driven Approaches", *Singapore Computer Society Silver Jubilee Conference*, October 12 - 14, 1992.

Ridjanovic, D., D. Pascot and R.W. Mantha, "Datarun: A Focused Approach to Developing Information Systems", *Informix Worldwide User Conference*, San Jose, July 7 - 10, 1992.

Mantha, R.W., D. Pascot and D. Ridjanovic, "De structure simples aux objets complexes: une approche pragmatique à la conception de systèmes d'information", *Congrès INFORSID 92*, France, May 19 – 22, 1992.

Ridjanovic, D. and R.W. Mantha, "The Development of a Multi-Platform CASE Tool Common Development Environment", *Fourth International Workshop on Computer Aided Software Engineering*, Irvine,

California, December 5 - 8, 1990.

Monjal, S., D. Ridjanovic and D. Pascot, "La conception de l'interface d'une application à partir de son schéma logique de données", *Congrès INFORSID 90*, Biarritz, France, May 15 - 18, 1990.

Ridjanovic, D., "From Table Actions to User Update Screens", *Second International DB2 Users Group Conference*, Chicago, May 13 - 17, 1990.

Ridjanovic, D., "Database and Interface Object Oriented Design of Information Systems", *Third International Workshop on Computer-Aided Software Engineering*, London, July 17 - 21, 1989.

Francoeur, D. and D. Ridjanovic, "Démarche de standardisation du développement des mises à jour", *Conférence de l'Association des Sciences Administratives du Canada*, Montréal, June 1 - 4, 1989.

Monjal, S. and D. Ridjanovic, "Les dictionnaires de données: pratique dans des organisations", *Conférence de l'Association des Sciences Administratives du Canada*, Montréal, June 1 - 4, 1989.

Pascot, D., D. Ridjanovic, R.W. Mantha and A. Martel, "Dual Approach to Corporate Data Planning", *Hawaii International Conference on System Sciences HICSS-22*, January 3 - 6, 1989.

Landry, M., D. Pascot and D. Ridjanovic, "Représentation et systèmes d'information", *Conference on Information Technologies: Perspectives, Organizational and Cultural Impacts*, IBM Canada and Laval University, September 22 - 23, 1988.

Ridjanovic, D., "CASE Tools-Based Rapid Development of RDM Applications", *Computerized Assistance During the Information Systems Life Cycle*, IFIP WG 8.1 Conference in The CRIS Series, Egham, Surrey, England, September 19 - 22, 1988.

Ridjanovic, D., D. Pascot et P. Legendre, "Express-MLD: une approche de développement rapide centrée sur le modèle logique de données", *Congrès INFORSID 88*, La Rochelle, France, June 7 - 10, 1988.

Mantha, R.W. and D. Ridjanovic, "A Representation System for the Development of Computer Integrated Organizations", *Proceedings of the 6th International Conference on Entity-Relationship Approach*, North-Holland, New-York, November 9 - 11, 1987.

Flory, A., S.T. March and D. Ridjanovic, "A Framework for the Development of the Information Resource", *Proc. ICS 85: International Computing Symposium*, sponsored by the European Chapters of ACM, Florence, Italy, March 27 - 29, 1985.

March, S.T., D. Ridjanovic and M. Prietula, "On the Effects of Normalization on the Quality of Relational Database Designs or Being Normal is Not Enough", *Proc. 1984 Trends and Applications Conference: Making Database Work*, National Bureau of Standards, Gaithersburg, Maryland, May 23 - 24, 1984.

Ridjanovic, D. and M.L. Brodie, "Action and Transaction Skeletons: High Level Language Constructs for Database Transactions", *Proc. SIGPLAN '83: Symposium on Programming Language Issues in Software Systems*, San Francisco, June 27 - 29, 1983.

Ridjanovic, D. and M.L. Brodie, "Specification versus Implementation", *Proc. COMPCON '81: 23rd IEEE Computer Society International Conference*, September 15 - 17, 1981.

PRESENTATIONS

"Organizovanje predavanja preko Interneta sa minimalnim resursima", Prvi kongres bosanskohercegovačkih naučnika iz zemlje i svijeta, Sarajevo, B&H, 2006-09-15.

"Open Source i eGovernment", eGovernment Conference, Sarajevo, B&H, 2004-10-13.

"Informatizacija BiH ili Kako da postignemo što više sa što manje", Klub 99, Sarajevo, B&H, June, 2004.

"Open Source Software", Javna Uprava, Sarajevo, B&H, May, 2004.

"Data Models as Intellectual Tools in Medical Information Systems", Second Congress of Medical Informatics of Bosnia and Herzegovina, Sarajevo, B&H, April 16-18, 2004.

"Trendovi u informatici", IEEE Studentski Ogranak Sarajevo, ETF, Sarajevo, B&H, April, 2004.

"Canevas de logiciels libres (frameworks)", Groupe d'Intérêt Java, Québec, 2003-10-14.

"Struts: Une structure efficace pour développer des applications Web dynamiques", WebTEK, Québec, 2001-03-20.

"Successes and Pitfalls of MIS Faculty in a Software Product Business", University of Minnesota, Carlson School of Management, Department of Information and Decision Sciences, MIS Workshop, November, 1995.

"Meta-Data Architecture for Legacy Systems, Data Warehouses and User Views", University of Minnesota, Carlson School of Management, Department of Information and Decision Sciences, MIS Workshop, October, 1995.

"DATARUN Method with the Support of SILVERRUN CASE Tools", SRC, Bled, Slovenia, November 9, 1992.

"Data and Object Driven Application Development with Relational Data Models", Universität Hamburg, Fachbereich Informatik, Hamburg, Germany, November 5, 1992.

"Data/Object Driven Approach to Rapid Database Application Development", New York City CASE Users Conference, September 17, 1992.

"Object Oriented Design and Construction of Relational Applications", Data Administration Management Association (DAMA), San Francisco Chapter, September 2, 1992.

"Design of Multi-Platform CASE; User Interface Using a Data Approach", Germany-Québec Software Technology Exchange Forum, GMD, Sankt Augustin, Germany, February, 1991.

"Graphical Interpretation of the Relational Data Model", CORS 88, Canadian Operational Research Society, Montréal, May 24 - 26, 1988.

"Représentation et systèmes d'information", (with M. Landry and D. Pascot), Colloque technologies de l'information, Université Laval, September 22 - 23, 1988.

"ER versus Relational: What are the Differences?" (with R. Mantha), International Conference on Entity-Relationship Approach, New York, November 9 - 11 1987.

"ACM/PCM--Active and Passive Component Modeling", IFIP London Open CRIS Conference: Comparative Review of Information System Design Methodologies, London, November 1 - 2, 1983.

"On the Design and Specification of Database Transactions" (with M.L. Brodie), Symposium on Conceptual Modeling: Perspectives from Artificial Intelligence, Databases, and Programming Languages, Intervale, New Hampshire, June 17 - 20, 1982.