Curriculum Vitae – Iris Reinhartz-Berger

Personal Information:

Name:	Iris Reinhartz-Berger
E-mail:	iris@mis.hevra.haifa.ac.il
Web Site:	http://mis.hevra.haifa.ac.il/~iris/

Education:

2000-2003   Ph.D. Student in Information System Engineering,
Technion-Israel Institute of Technology, Haifa, Israel
Dissertation Subject: Developing Web Applications with Object-
Oriented Approaches and Object Process Methodology
Average grade: 96.7

1999   M.Sc. in Information System Engineering,
Technion-Israel Institute of Technology, Haifa, Israel
Project Subject: Generating Java Code from Object-Process
Language Script
Average grade: 92.3
Project grade: 93

1994   B.Sc. in Computer Science,
Technion-Israel Institute of Technology, Haifa, Israel
Average grade: 86.8

1994   B.Sc. in Applied Mathematics,
Technion-Israel Institute of Technology, Haifa, Israel
Average grade: 86.8

Work Experience:

2003-   Lecturer, Tenure Track,

University of Haifa, Israel

2002-2003   Lecturer and Project Team Advisor,

Technion-Israel Institute of Technology, Haifa, Israel

Courses: Design and Implementation of Information Systems,

Specification and Analysis of Information Systems

Projects: Generating implementations from OPM specifications,

generating diagrams (OPD) from natural language sentences (OPL)

2000-2002   Teaching Assistant and Project Team Advisor,

Technion-Israel Institute of Technology, Haifa, Israel

Courses: Specification and Analysis of Information Systems,

Methodologies for Developing Information Systems

Projects: Generating analysis and design documents for OPM

specifications, generating UML models from OPM models,

animating and simulating OPM models

2000   Researcher at WFCM (Wafer Fab Cluster Management) Consortium,

Shmuel Neaman Institute for Advanced Studies in Science and

Technology

1998-1999   Teaching Assistant and Project Team Advisor,

Technion-Israel Institute of Technology, Haifa, Israel

Courses: Design and Implementation of Information Systems,

Testing and Evaluation of Human-Computer Interfaces,

Cooperative Information Systems

Projects: Creating Java GUI for Object-Process CASE Tool (OPCAT),

generating natural Language sentences (OPL) from diagrams (OPD)

1994 – 1998 Computer and Software Officer,

Israeli Navy, Haifa, Israel

Honors and Rewards:

2003	Miriam and Aaron Gutwirth Memorial Fellowship
2003	Israeli Higher Education Planning and Budgeting Committee (VATAT) scholarship for outstanding high-tech Ph.D. students
2002	Excellent Teaching Assistant Reward
2002	Israeli Higher Education Planning and Budgeting Committee (VATAT) scholarship for outstanding high-tech Ph.D. students
2001	Excellent Teaching Assistant Reward
2001	Technion-Israel Institute of Technology fellowship
2000	Technion-Israel Institute of Technology fellowship
1999	Technion-Israel Institute of Technology fellowship
1998	Technion-Israel Institute of Technology fellowship
1996	Creative thinking honor of the Israeli navy commander
1994	Technion-Israel Institute of Technology President's list
1993	Technion-Israel Institute of Technology Dean's list
1991	Technion-Israel Institute of Technology Dean's list

Grants:

2000-2002	Bar-Nir Bergreen Software Technology Center of Excellence, Software Technology Lab (STL), Faculty of Computer Science, Technion-Israel Institute of Technology, Development of Object-Process CASE Tool

Areas of Interest:

1. Distributed systems and Web applications development
2. Modeling and evaluation of analysis and design methodologies, including relational techniques (ERD + DFD), UML, and OPM (Object-Process Methodology)
3. Formal specifications and meta-modeling
4. Software engineering processes
5. Generation of models into programming languages, especially Java

Publications:

Papers in Refereed Journals:

1. I. Reinhartz-Berger, D. Dori, S. Katz, **OPM/Web - Object-Process Methodology for Developing Web Applications**, Annals on Software Engineering - Special Issue on OO Web-based Software Engineering, 13, pp. 141-161, 2002.

2. I. Reinhartz-Berger, D. Dori, S. Katz, **Modeling Code Mobility and Migration: An OPM/Web Approach**, International Journal of Web Engineering and Technology (IJWET), 2(1), pp. 6-28, 2005.

3. I. Reinhartz-Berger, D. Dori, **OPM vs. UML – Experimenting Comprehension and Construction of Web Application Models**, Empirical Software Engineering, 10 (1), pp. 57-80, 2005.

Chapters in Edited Books:

4. I. Reinhartz-Berger, D. Dori, **A Reflective Metamodel of Object-Process Methodology: The System Modeling Building Blocks**, chapter 6 in *Business Systems Analysis with Ontologies*, Peter Green and Michael Rosemann (Eds.), Idea Group Inc., 2005.

Refereed Papers in Conference Proceedings:

5. Dov Dori, Dagan Gilat, Arnon Sturm, Iris Berger, Victor Gindin, and Yaniv Even-Hayim, **Integrated Systems Engineering Environment through the Object-Process CASE Tool**. Proceedings of INFORMS'98, Israel, 1998.

6. I. Reinhartz-Berger, D. Dori, S. Katz, **Developing Web Applications with OPM/Web**, workshop on Data Integration over the Web (DIWeb'01), 2001, pp. 47-61.

7. I. Reinhartz-Berger, D. Dori, S. Katz, **Modeling Code Mobility Paradigms in OPM/Web**, The Israeli Workshop on Programming Languages & Development Environments, IBM, 2002. http://www.haifa.il.ibm.com/info/ple/papers/code.pdf

8. I. Reinhartz-Berger, A. Sturm, D. Dori, **Modeling Events in Object-Process Methodology and in Statecharts**, The Israeli Workshop on Programming Languages & Development Environments, IBM, 2002. http://www.haifa.il.ibm.com/info/ple/papers/EventsHandlingInOPM.pdf

9. I. Reinhartz-Berger, D. Dori, S. Katz, **Open Reuse of Component Designs in OPM/Web**, 26th annual international Computer Software and Applications Conference (COMPSAC'02), pp. 19-26, 2002.

10. D. Dori, I. Reinhartz-Berger, A. Sturm, **OPCAT - A Bimodal CASE Tool for Object-Process Based System Development**. Proc. IEEE/ACM 5th International Conference on Enterprise Information Systems (ICEIS 2003), pp. 286-291, 2003.

11. D. Dori, I. Reinhartz-Berger, **An OPM-Based Metamodel of System Development Process**, Conceptual Modeling Conference (ER'2003), Lecture Notes in Computer Science 2813, pp. 105-117, 2003.

12. D. Dori, I. Reinhartz-Berger, and A. Sturm, **Developing Complex Systems with Object-Process Methodology using OPCAT**, Conceptual Modeling Conference (ER'2003), Lecture Notes in Computer Science 2813, pp. 570-572, 2003.

13. D. Dori, E. Toch, I. Reinhartz-Berger, **OPM/S: Modeling Semantic Web Services using Human- and Machine-Interpretable Language**, the third Web dynamics workshop, www'2004.

14. I. Reinhartz-Berger and D. Dori, **Object-Process Methodology (OPM) vs. UML: A Code Generation Perspective**, Evaluating Modeling Methods for System Analysis and Design (EMMSAD'04), Proceeding of CAiSE'04 Workshops, vol. 1 (pp. 275-286).

15. I. Reinhartz-Berger and A. Sturm, **Behavioral Domain Analysis – The Application-based Domain Modeling Approach**, the 7th International Conference on the Unified Modeling Language (UML'2004), Lecture Notes in Computer Science 3273, pp. 410-424, 2004.

16. A. Sturm and I. Reinhartz-Berger, **Applying the Application-based Domain Modeling Approach to UML Structural Views**, the 23rd International Conference on Conceptual Modeling (ER'2004), Lecture Notes in Computer Science 3288, pp. 766-779, 2004.

17. D. Dori, V. Perelman, G. Shlezinger, and I. Reinhartz-Berger, **Pattern-Based Design Recovery from Object-Oriented Languages to Object Process Methodology**, IEEE International Conference on Software - Science, Technology & Engineering (SwSTE'05), pp. 77-82, 2005.

18. I. Reinhartz-Berger, **Conceptual Modeling of Structure and Behavior with UML – The Top Level Object-Oriented Framework (TLOOF) Approach**, the

24th International Conference on Conceptual Modeling (ER'2005), Lecture Notes in Computer Science 3716, pp. 1-15, 2005.

19. I. Reinhartz-Berger, P. Soffer, and A. Sturm, **A Domain Engineering Approach to Specifying and Applying Reference Models**, accepted to Enterprise Modeling and Information Systems Architectures (EMISA'05), 2005.