

CURRICULUM VITAE

1. **Personal Details**

Name: Mor Peleg

Date of Birth: February 7, 1968

Country of Birth: Israel

Date of Aliyah:

Identity Card Number: 023529761

Marital Status: Married, 3 children

Permanent Home Address: 20 Sinai St., Haifa, Israel, 34332

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2. **Higher Education**

Biology

B. Sc.

10/88 - 07/91

Graduated summa cum laude, May 21, 1992.

Grade point average: 95.1

Faculty of Biology, Technion - Israel Institute of Technology

Molecular Biology

M. Sc.

9/91 - 1/94

Graduated summa cum laude, April 24, 1994.

Grade point average: 94.1

Department Information Systems Engineering, Faculty of Industrial Engineering & Management, Technion - Israel Institute of Technology

Information Systems Engineering

Ph.D.

3/94 - 6/99

Graduated May 2000

Grade point average: 91.7

1. Academic Ranks and Tenure in Institutes of Higher Education

<u>DATES</u>	<u>NAMES OF INSTITUTION AND DEPARTMENT</u>	<u>RANKS</u>
10/07-9/09	Stanford University, Institute for Biomedical Informatics Research	Visiting Assistant Professor
7-8/04	Columbia University, Department of Biomedical Informatics	Visiting Assistant Professor
10/03 -	University of Haifa, Department of Management Information Systems, Faculty of Social Sciences	Senior Lecturer
03/05 -	University of Haifa, Department of Management Information Systems, Faculty of Social Sciences	Tenure
09/99-08/03	Stanford University, Medical School, Stanford Medical Informatics	Visiting Scholar – Post-doctoral Research Fellow +lecturer

2. Scholarly Positions and Activities outside the University

Visiting Assistant Professor

July – August 2004 - Department of Biomedical Informatics, Columbia University, NY, NY

Session Chair in Scientific conferences

Medinfo 2004/AMIA 2004, San Francisco, CA, September 7-11, 2004. Session name: "Management and Maintenance of Clinical Knowledge Sources"

Member of the Editorial Board of Methods of Information in Medicine

January 2007 – January 2010

Co-Chair of the 1st International Workshop on Process-oriented Information Systems in Healthcare (ProHealth'07), Brisbane, Australia, 24 September 2007

Co-Chair of the 2nd International Workshop on Process-oriented Information Systems in Healthcare (ProHealth'08), Milan Italy, 1 September 2008

Co-Chair of the 3rd International Workshop on Process-oriented Information Systems in Healthcare (ProHealth'09), Ulm Germany, 7 September 2009

Visiting Assistant Professor

July 2007 – August 2009 - Stanford center for Biomedical Informatics Research, Stanford University, CA

Participation in Scientific Committees (since March 2003)

1. Poster Committee of the American Medical Informatics Association Annual Symposium 2003
2. Program Committee of the Symposium on Computerized Guidelines and Protocols 2004, part of the International Joint Meeting of the European Centre for Medical Informatics (EuroMISE), Prague, Czech Republic.
3. Program Committee of the Institute of Electrical and Electronics Engineers (IEEE) International Conference on Software – Science , Technology and Engineering 2005
4. Program Committee of the Artificial Intelligence in Medicine Europe conference, Aberdeen, United Kingdom, July 24 - 27, 2005
5. Program Committee of the ECAI'06 Workshop on "AI techniques in healthcare: evidence-based guidelines and protocols", in Conjunction with the biannual European Conference on Artificial Intelligence ECAI 2006, Italy, August 29, 2006.
6. Program Committee of the Artificial Intelligence in Medicine Europe conference, Amsterdam, The Netherlands, July 7 - 10, 2007
7. Program Committee of the IEEE International Conference on Software Science, Technology & Engineering 2007 (SwSTE07)
8. Program Committee of the 27th International Conference on Conceptual Modeling (ER 2008)
9. Program Committee of the 12th Conference on Artificial Intelligence in Medicine
10. Organizing Committee of the Workshop on Knowledge Representation for Health-Care: Patient Data, Processes and Guidelines. In conjunction with Artificial Intelligence in Medicine Europe 2009
11. Scientific Program Committee for Medinfo 2010, the 13th World Congress on Medical Informatics (Medinfo) 2010
- 12.

3. Teaching

A. Courses taught in recent years:

<u>Title</u>	<u>Year</u>	<u>Type</u>	<u>Level</u>
Courses taught at the Technion:			
Animal Physiology	91-93	lab instructor	BSc
Biochemistry	92-93	lab instructor	BSc
Design and Implementation of Information Systems	94-96	Teacher Assistant (oral presentations)	BSc
Methodologies and Anthologies in Information Systems Analysis	96-97	Teacher Assistant	BSc, MSc, PhD
Information Systems Analysis	96-99	Teacher Assistant + lecturer	BSc

Courses taught at the Stanford University:

Intro. to Medical Informatics	02	lecturer	Bsc, MSc, PhD
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Courses taught at the University of Haifa:

Medical Informatics	03-05	lecturer	BA
Information systems analysis	04-05	lecturer	BA
Information systems analysis For economics	04-05	lecturer	BA
Information System analysis and design projects	04-07	lecturer	BA
Knowledge Representation and Decision-support Systems	06-07	lecturer	BA+MA

B. Supervision of graduate students in recent years:

<u>Student's Name</u>	<u>Title of Thesis / Dissertation</u>	<u>Degree</u>	<u>Date</u>	<u>Forum of Publication (if published)</u>
Sagi Keren	Mapping Computerized Clinical Guidelines to Electronic Medical Records: Knowledge-Data Ontological Mapper (KDOM)	MSc	5/07	JB I
Nuaman Asbeh	Applying clustering analysis and ontological methods for identifying groups of comorbidities for developmental disorders	MSc	8/07	JB I
Yudit Somekh	Modeling Exceptions in Real Time Systems through Object-Process Methodology	MSc	11/07	JB I
Dizza Beimel	Situation-Based Access Control: Privacy management via modeling of scenarios of access to patient data for accessing Electronic Health Record Data	PhD	6/08	JB I

Membership is Associations in the Field

1. American Medical Informatics Association, since 2000
2. Israeli Association for Medical Informatics, since 2003

II PUBLICATIONS

Unless otherwise indicated, names of authors appear according to relevant contribution

A. Ph.D. DISSERTATION

Title: Modeling System Dynamics through the Object-Process Methodology

Language: English

Technion – Israel Institute of Technology

257 pages

Haifa, 1999

Subject No. 681.3.06 OOP

System No. 2204924

Supervisor: Prof. Dov Dori

C. ARTICLES IN REFEREED JOURNALS

PUBLISHED

1. Mor Peleg, Vered Kopel, James A. Borowiec and Haim Manor, "Formation of DNA Triple Helices Inhibits DNA Unwinding by the SV40 Large T-Antigen Helicase". *Nucleic Acids Research*, Vol. 23, No. 8, 1995, pp. 1292-1299.
2. Mor Peleg and Dov Dori, "Representing Control Flow Constructs in Object-Process Diagrams", *JOOP-Journal of Object Oriented Programming*, Vol. 11, No. 3, June 1998, pp. 58-71.
3. Mor Peleg and Dov Dori, "Extending the Object-Process Methodology to Handle Real-Time Systems", *JOOP-Journal of Object-Oriented Programming*, Vol. 11, No. 8, January 1999, pp.53-58.
4. Mor Peleg and Dov Dori, "The Model Multiplicity Problem: Experimenting with Real-Time Specification Methods", *IEEE Transactions on Software Engineering*, Vol. 26, No. 8, August 2000, pp. 742-759.
5. Mor Peleg, Aziz A. Boxwala, Elmer Bernstam, Samson Tu, Robert A. Greenes, and Edward H. Shortliffe. "Sharable Representation of Clinical Guidelines in GLIF: Relationship to the Arden Syntax". *Journal of Biomedical Informatics* Vol 34, No. 3, June 2001, pp. 170-181.
6. Aziz A. Boxwala, Samson Tu, Mor Peleg, Qing Zang, Omolola Ogunyemi, Robert A. Greenes, Edward H. Shortliffe, and Vimla L. Patel. "Towards a representation format for sharable clinical guidelines". *Journal of Biomedical Informatics* Vol 34, No. 3, June 2001, pp. 157-169.
7. Vimla L. Patel, Timothy Branch, Dongwen Wang, Mor Peleg, and Aziz A. Boxwala. "Analysis of the Process of Encoding Guidelines: An Evaluation of GLIF3". *Methods of Information in Medicine*, Vol 41, No. 2, 2002, pp. 105-113.
8. Mor Peleg, Iwei Yeh, and Russ Altman, "Modeling biological processes using Workflow and Petri Nets models". *Bioinformatics*, Vol. 18, No. 6, June 2002, pp. 825-837.

9. Dongwan Wang, Mor Peleg, Samson W. Tu, Aziz A. Boxwala, Robert A. Greenes, Vimla L. Patel, and Edward H. Shortliffe. "Representation primitives, process models and patient data in computer-interpretable clinical practice guidelines: A literature review of guideline representation models". *International Journal of Medical Informatics*, Vol. 68, No. 1-3, December 2002, pages 59-70.
10. Mor Peleg, Irene S. Gabashvili, and R. B. Altman. "Qualitative models of molecular function: linking genetic polymorphisms of tRNA to their functional sequelae". (invited paper) *Proceedings of the IEEE*. Special Issue on Bioinformatics, M. Akay, ed., Vol. 90, No. 12, December 2002, pp. 1875-1886.
11. Mor Peleg, Samson Tu, Jonathan Bury, Paulo Ciccarese, John Fox, Robert A. Greenes, Richard Hall, Peter D. Johnson, Neill Jones, Anand Kumar, Silvia Miksch, Silvana Quaglini, Andreas Seyfang, Edward H. Shortliffe, and Mario Stefanelli, "Comparing Computer-interpretable Guideline Models: A Case-study Approach". *Journal of the American Medical Informatics Association*, Vol. 10, No. 1, Jan-Feb 2003, pp. 52-68.
12. Mor Peleg, Aziz A. Boxwala, Samson Tu, Qing Zeng, Omolola Ogunyemi, Dongwen Wang, Vimla L. Patel, Robert A. Greenes, Edward H. Shortliffe. "The InterMed Approach to Sharable Computer-interpretable Guidelines: A Review". *Journal of the American Medical Informatics Association*, Vol. 11, No. 1, Jan-Feb 2004, pp. 1-10. **(Lead paper)**
13. Aziz A. Boxwala, Mor Peleg, Samson Tu, Omolola Ogunyemi, Qing T. Zeng, Dongwen Wang, Vimla L. Patel, Robert A. Greenes, Edward H. Shortliffe. "GLIF3: A Representation Format for Sharable Computer-Interpretable Clinical Practice Guidelines". *Journal of Biomedical Informatics*, Vol. 37, No. 3, 2004, pp. 137-161.
14. Dongwen Wang, Mor Peleg, Samson W. Tu, Aziz A. Boxwala, MD, Omolola Ogunyemi, Qing Zeng, Robert A. Greenes, Vimla L. Patel, and Edward H. Shortliffe. "Design and Implementation of the GLIF3 Guideline Execution Engine". *Journal of Biomedical Informatics*, Vol. 37, No. 5, 2004, pp. 305-318
- * 15. Mor Peleg, Daniel Rubin, and Russ B. Altman, "Using Petri Net Tools to Study Properties and Dynamics of Biological Systems" *Journal of the American Medical Informatics Association*, Vol. 12, No. 2, 2005, 181-199.
- * 16. Mor Peleg, Lily Gutnik, Vincenza Snow, and Vimla L. Patel, "Interpreting procedures from descriptive guidelines", *Journal of Biomedical Informatics*, Vol. 39, No. 2, 2006, pp. 184-195.
- ** 17. Mor Peleg and Samson W. Tu. "Decision Support, Knowledge Representation and Management in Medicine" (invited paper). *Methods Inf Med*. 2006;45 Suppl 1:72-80.
- ** 18. Nataliya Mulyar, Wil M.P. van der Aalst, Mor Peleg. "A Pattern-based Analysis of Clinical Computer-Interpretable Guideline Modeling Languages". *Journal of American Medical Informatics Associations*, 2007, 14(6): 781-787.
- ** 19. Mor Peleg, Sagi Keren, and Yaron Denekamp "Mapping Computerized Clinical Guidelines to Electronic Medical Records: Knowledge-Data Ontological Mapper (KDOM)", *Journal of Biomedical Informatics*, 2008 41(1):180-201.

- **20. Mor Peleg, Dizza Beimel, Dov Dori, Yaron Denekamp. "Situation-Based Access Control: privacy management via modeling of patient data access scenarios". *Journal of Biomedical Informatics*, 2008 41(6):1028–1040
- **21. Mor Peleg, Nuaman Asbeh, Tsvi Kuflik, and Mitchell Schertz. "Onto-clust - A methodology for combining clustering analysis and ontological methods for identifying groups of comorbidities for developmental disorders", accepted for publication in *Journal of the BioMedical Informatics*, 2009 42(1):165-75

ACCEPTED FOR PUBLICATION

- **22. Mor Peleg, Aviv Shachak, Dongwen Wang, and Eddy Karnieli. "Using multi-perspective methodologies to study user interactions with the front-end of a guideline-based decision-support system for diabetic-foot care", *International Journal of Medical Informatics*, accepted for publication on February 25, 2009

D. ARTICLES OR CHAPTERS IN BOOKS WHICH ARE NOT CONFERENCE PROCEEDINGS

PUBLISHED

1. Robert A. Greenes, Samson Tu, Aziz Boxwala, Mor Peleg, Edward H. Shortliffe "Toward a Shared Representation of Clinical Trial Protocols: Application of the GLIF Guideline Modeling Framework", In: *Cancer Informatics - Essential Technologies for Clinical Trials*, New York, Springer-Verlag, Chapter 16, pages 212-228, JS Silva, MJ Ball, CG Chute, JV Douglas, CP Langlotz, JC Niland, and WL Scherlies, (eds.), 2002.

The following comment addresses items 2 and 3:

The IMIA Yearbook includes original papers that have been selected as best papers of the recent year. These papers are selected based on an international review process, taking into account their significance, their quality, their originality, and their clarity and organization.

2. Mor Peleg, Aziz A. Boxwala, Elmer Bernstam, Samson Tu, Robert A. Greenes, and Edward H. Shortliffe. "Sharable Representation of Clinical Guidelines in GLIF: Relationship to the Arden Syntax". In: *International Medical Informatics Association (IMIA) Yearbook of Medical Informatics 2003: Quality of Health Care: The Role of Informatics*. Schattauer GmbH, Germany, Reinhold Haux and Casimir Kulikowski, (eds.), 2003, pp. 558-569. Reprinted from *Journal of Biomedical Informatics* (see item C-5)
3. Mor Peleg, Iwei Yeh, and Russ Altman, "Modeling biological processes using Workflow and Petri Nets models". In: *International Medical Informatics Association (IMIA) Yearbook of Medical Informatics 2004: Towards Clinical*

- Bioinformatics. Schattauer GmbH, Germany, Reinhold Haux and Casimir Kulikowski, (eds.), 2004, pp. 520-32. Reprinted from *Bioinformatics*. (see item C-8)
- **4. Mor Peleg and Samson W. Tu. "Decision Support, Knowledge Representation and Management in Medicine" (invited paper). In: International Medical Informatics Association (IMIA) Yearbook of Medical Informatics 2006: Assessing Information Technologies for Health. Schattauer GmbH, Germany, Reinhold Haux and Casimir Kulikowski, (eds.), 2006, pp. 72-80. Reprinted from *Methods Inf Med.* 2006;45 Suppl 1:72-80.
 - **5. Mor Peleg. "Guideline and Workflow Models". In: "Clinical Decision Support - The Road Ahead", Robert A. Greenes (ed.), Elsevier/Academic Press, 2006.
 - *6. Mor Peleg, Irene S. Gabashvili, and Russ B. Altman. Chapter 1: "Qualitative knowledge models in Functional Genomics and Proteomics". In: *Genomics and Proteomics Engineering in Medicine and Biology* (Akay,M., ed), Wiley-IEEE Press, 2007. This paper is an extension of Journal paper number 10. The paper summarizes the changes on the bottom of p. 19.
 - **7. Manfred Reichert, Mor Peleg, and Richard Lenz. Introduction to the First International Workshop on Process-Oriented Information Systems in Healthcare (ProHealth 2007), Lecture Notes in Computer Science, Vol. 4928, 2008, Springer Berlin / Heidelberg
 - **8. Mor Peleg, Dongwen Wang, Adriana Fodor , Sagi Keren and Eddy Karnieli. Lessons Learned from Adapting a Generic Narrative Diabetic-Foot Guideline to an Institutional Decision-Support System. In: *Computer-based Medical Guidelines and Protocols: A Primer and Current Trends. Volume 139 Studies in Health Technology and Informatics*, Edited by: A. Ten Teije, S. Miksch and P. Lucas, July 2008, 282 pp. This paper is an extension of a conference proceeding paper (number 19). The extension discusses recent trends in research about computerized clinical guidelines as well as design changes that we made to the guideline encoding, taking patient-doctor encounters into consideration.

D1. Edited Books

E. ARTICLES IN CONFERENCE PROCEEDINGS PUBLISHED

1. Dov Dori, Liu Wenyin and Mor Peleg, "How To Win a Dashed Line Detection Contest". In: *Graphics Recognition - Methods and Application. First International Workshop, University Park PA, USA, August 1995. Lecture Notes in Computer Science, Vol. 1072, pages 286-300, Springer-Verlag, Rangachar Katsuri and Karl Tombre (eds.), 1996.*
2. Mor Peleg and Dov Dori, "Specifying Reactive Systems through the Object-Process Methodology". *Proceedings of the 1998 IEEE Conference and Workshop: Engineering of Computer Based Systems (ECBS98), March 30-April 3, 1998, Jerusalem, Israel, IEEE Computer Society Press, ISBN 0-8186-8463-1, pp. 29-36.*

3. Mor Peleg, "Modeling Real-Time Systems through the Object-Process Methodology". Proceeding of the 20th International Conference on Software Engineering (ICSE98) Doctoral Symposium. April 19-25, 1998, Kyoto, Japan, ACM Press. Paper accepted for presentation in the doctoral symposium, but did not attend due to medical supervision in pregnancy.
4. Mor Peleg and Dov Dori. "Experimenting with Real-time Specification Methods: The Model Multiplicity Problem", Proceedings of the Fourth CAiSE/IFIP8.1 International Workshop on Evaluation of Modeling Methods in System Analysis and Design (EMMSAD99), Heidelberg, Germany, June 14-15 1999. A full version of this paper appeared in IEEE Transactions On Software Engineering, see above.
5. Mor Peleg and Dov Dori, "*From Object-Process Diagrams to a Natural Object-Process Language*", In: Next Generation Information Technologies and Systems Fourth International Workshop, NGITS'99, Zikhron Yaacov, Israel, July 1999. Lecture Notes in Computer Science, Vol. 1649, pages 221-228. Springer-Verlag, Ron Y. Pinter and Shalom Tsur (eds.), 1999.
6. Mor Peleg, Aziz A. Boxwala, Omolola Ogunyemi, Qing Zeng, Samson Tu, Ronilda Lacson, Elmer Bernstam, Nachman Ash, Peter Mork, Lucila Ohno-Machado, Edward H. Shortliffe, and Robert A. Greenes. "GLIF3: The Evolution of a Guideline Representation Format". *Proceedings of the American Medical Informatics Association (AMIA) Annual Symposium*, J. Marc Overhage, MD, PhD, ed., American Medical Informatics Association, Los Angeles, CA, November 4-8, 2000, (20 Suppl):645-649.
7. Elmer Bernstam, Nachman Ash, Mor Peleg, Samson Tu, Aziz A. Boxwala, Peter Mork, Edward H. Shortliffe, and Robert A. Greenes. "Guideline Classification to Assist Modeling, Authoring, Implementation and Retrieval". *Proceedings of the American Medical Informatics Association (AMIA) Annual Symposium*, J. Marc Overhage, MD, PhD, ed., American Medical Informatics Association, Los Angeles, CA, November 4-8, 2000, (20 Suppl):66-70.
8. Mor Peleg, Aziz A. Boxwala, Samson Tu, Robert A. Greenes, Edward H. Shortliffe, and Vimla L. Patel, "Handling Expressiveness and Comprehensibility Requirements in GLIF3", *10th World Congress on Medical Informatics (MedInfo 2001)*, London, September 2-5, 2001, 241-245.
9. Robert A. Greenes, Mor Peleg, Aziz Boxwala, Samson Tu, Vimla Patel, and Edward H. Shortliffe. "Sharable Computer-Based Clinical Practice Guidelines: Rationale, Obstacles, Approaches, and Prospects", *10th World Congress on Medical Informatics (MedInfo 2001)*, London, September 2-5, 2001, 201-205.
10. Dongwen Wang, Mor Peleg, Samson W. Tu, Edward H. Shortliffe, and Robert A. Greenes, "Representation of Clinical Practice Guidelines For Computer-Based Implementations", *10th World Congress on Medical Informatics (MedInfo 2001)*, London, September 2-5, 2001, 285-289.
11. Mor Peleg, Omolola Ogunyemi, Samson Tu, Aziz A. Boxwala, Qing Zeng, Robert A. Greenes, and Edward H. Shortliffe, "Using features of Arden Syntax with Object-Oriented Medical Data Models for Guideline Modeling", *Proceedings of the American Medical Informatics Association (AMIA) Annual*

- Symposium*, Suzanne Bakken, RN, DNSc, ed., American Medical Informatics Association, Washington DC, November 3-7, 2001, 523-527.
12. Mor Peleg, Irene S. Gabashvili, and Russ B. Altman, "Integrating bio-ontologies with a Workflow/Petri Net model to qualitatively represent and simulate biological systems", *Fifth Annual Bio-Ontologies Meeting*, Edmonton, Canada, August 8, 2002, 33-36.
 13. Mor Peleg, Vimla L. Patel, Vincenza Snow, Samson Tu, Christel Mottur-Pilson, Edward H. Shortliffe, and Robert A. Greenes. "Support for Guideline Development through Error Classification and Constraint Checking", *Proceedings of the American Medical Informatics Association (AMIA) Annual Symposium* Isaac S. Kohane, MD, PhD, ed., American Medical Informatics Association, San Antonio, Texas, November 9-13, 2002, 607-611.
 14. Mor Peleg and Rami Kantor. "Approaches for guideline versioning using GLIF". *Proceedings of the American Medical Informatics Association (AMIA) Annual Symposium*. Mark A. Musen, MD, PhD, ed., American Medical Informatics Association, Washington, DC, November 8-12, 2003, 509-513.
 15. Dongwen Wang, Mor Peleg, David Bu, Michael Cantor, Giora Landesberg, Eitan Lunenfeld, Samson W Tu, Gail E Kaiser, George Hripcsak, Vimla L Patel, Edward H Shortliffe. "A Generic Execution Model for Sharing of Computer-interpretable Clinical Practice Guidelines". *Proceedings of the American Medical Informatics Association (AMIA) Annual Symposium*. Mark A. Musen, MD, PhD, ed., American Medical Informatics Association, Washington, DC, November 8-12, 2003, 694-698.
 16. Mor Peleg, Samson Tu, Abhijit Mahindroo, and Russ B. Altman. "Simulating and Analyzing Biomedical Processes using Workflow/Petri Net Models and Tools". *Proceedings of Medinfo 2004 / American Medical Informatics Association annual Symposium 2004*, Edward H Shortliffe, MD, PhD, ed., San Francisco, CA, September 7-11, 2004, pp. 74-8.
 - * 17. Mor Peleg, Rory Steele, Richard Thomson, Vivek Patkar, and John Fox, "Open-source Publishing of Medical Knowledge", *Tenth Conference on Artificial Intelligence in Medicine*, Aberdeen, UK, July 24-27, 2005, *Lecture Notes in Computer Science*, Volume 3581, pp. 156-160.
 - ** 18. Nuaman Asbeh, Mor Peleg, Mitchell Schertz, and Tsvi Kuflik, "Creating Consistent Diagnoses List for Developmental Disorders Using UMLS", *Proceeding of Next Generation Information Technologies and Systems*, Kibbutz Shefayim, Israel, July 4-6, 2006, *Lecture Notes in Computer Science*, Springer Berlin / Heidelberg, vol. 4032, pp. 333-336
 - ** 19. Mor Peleg, Dongwen Wang, Adriana Fodor, Sagi Keren and Eddy Karnieli, "Adaptation of Practice Guidelines for Clinical Decision Support: A Case Study of Diabetic Foot Care". *Proceeding of the the biennial European Conference on Artificial Intelligence (ECAI) 2006 Workshop: AI techniques in healthcare: computerized guidelines and protocols*, Riva del Garda, Italy, August 29, 2006, pp. 57-61.
 - ** 20. Yudit Somekh, Mor Peleg, and Dov Dori. "Classifying and Modeling Exceptions through Object Process Methodology", *International Conference on*

- Systems Engineering and Modeling-ICSEM'07, Haifa, Israel, March 20-23, 2007.
- ** 21. Nataliya Mulyar, Maja Pesic, Wil M.P. van der Aalst, and Mor Peleg. "Towards Flexibility in Clinical Guideline Modelling Languages". Business Process Modeling Conference Workshop: 1st International Workshop on Process-oriented Information Systems in Healthcare, Brisbane, Australia. September 2007.
- ** 22. Mor Peleg, Pnina Soffer, Johny Ghattas . "Mining Process Execution and Outcomes". Business Process Modeling Conference Workshop: 1st International Workshop on Process-oriented Information Systems in Healthcare, Brisbane, Australia. September 2007, Manfred Reichert, Mor Peleg, Richard Lenz, Editors, Lecture Notes in Computer Science, Vol. 4928, Springer Berlin / Heidelberg.
- ** 23. Johny Ghattas, Pnina Soffer, Mor Peleg. "Learning Business Process Models: A case study". Business Process Modeling Conference Workshop: 1st International Workshop on Process-oriented Information Systems in Healthcare, Brisbane, Australia. September 2007, Manfred Reichert, Mor Peleg, Richard Lenz, Editors, Lecture Notes in Computer Science, Vol. 4928, Springer Berlin / Heidelberg.
- ** 24. Johny Ghattas, Pnina Soffer, Mor Peleg." A Goal-based approach for business process learning". Accepted for publication in the Workshop on Business Process Modeling, Development, and Support (BPMDS'08), in conjunction with CAISE'08, 16-17 June 2008, Montpellier, France

F. OTHER SCIENTIFIC PUBLICATIONS

Papers in non-refereed magazines

1. Peter Elkin, Mor Peleg, Ronilda Lacson, Elmer Bernstam, Samson Tu, Aziz Boxwala, Robert Greenes, and Edward Shortliffe. "Toward Standardization of Electronic Guidelines" MD Computing, Vol. 17, No. 6, 2000, pp. 39-44.

Mor Peleg made the largest contribution to the paper above; Peter Elkin initiated the paper and had major contribution to it.

- **2. Karsten Ploesser, Mor Peleg, Pnina Soffer, Michael Rosemann, and Jan Recker "Learning from Context to Improve Business Processes" BPtrends, January 2009, pp. 1-9.

Mor Peleg and Karsten Ploesser made the largest contribution to the paper above;

Abstracts published in conference Proceedings

1. Aziz A. Boxwala, Mor Peleg, M., Qing Zeng, Samson Tu, Ronilda Lacson, Elmer Bernstam, Omolola Ogunyemi, Nachman Ash, Lucila Ohno-Machado, Robert A. Greenes, and Edward H. Shortliffe. "GuideLine Interchange Format (GLIF): Extensions and Practical Applications Workshop", (poster presentation), 2000

- Annual Meeting of the American Telemedicine Association*, Phoenix, Arizona, May 2000.
2. Mor Peleg, "Guideline Interchange Format A Representation for Sharable, Computer-interpretable Guidelines" (poster-presentation). *Biomedical Computation @ Stanford Symposium (BCATS)*, October 28, 2000.
 3. Aziz A. Boxwala, Purvi Mehta, Mor Peleg, Ronilda Lacson, Nachman Ash, Jonathan Bury, Edward H. Shortliffe, and Robert A. Greenes. "Modeling guidelines using domain-level knowledge representation components" (poster-presentation). *Proceedings of the American Medical Informatics Association (AMIA) Annual Symposium*, Los Angeles, CA, November 4-8, 2000, p. 974.
 4. Qing Zeng, Samson Tu, Aziz A. Boxwala, Mor Peleg, Robert A. Greenes, and Edward H. Shortliffe. "A Three-Layer Domain Ontology for Guideline Representation and Sharing" (poster-presentation). *Proceedings of the American Medical Informatics Association (AMIA) Annual Symposium*, Los Angeles, CA, November 4-8, 2000, p. 1164.
 5. Mor Peleg, Iwei Yeh, and Russ Altman, "Modeling biological processes using Workflow and Petri Nets models". *Biomedical Computation @ Stanford Symposium (BCATS)*, David Paik, Jonathan Dugan, eds., October 20, 2001, p. 21.
 6. Irene S. Gabashvili, Mor Peleg, and Russ Altman, "Modeling Molecular Function and Failure: Misreading of Genetic Code by the Ribosome". *Biomedical Computation @ Stanford Symposium (BCATS)*, (poster presentation), David Paik, Jonathan Dugan, eds., October 20, 2001, p. 54.
 7. Elmer Bernstam, Nachman Ash, Mor Peleg, Samson Tu, Edward H. Shortliffe, and Robert A. Greenes. "Preliminary Evaluation of Guideline Classification System", (poster-presentation). *Proceedings of the American Medical Informatics Association (AMIA) Annual Symposium*, Washington DC, November 3-7, 2001, p. 863.
 8. James Q. Yin, Mor Peleg, Aziz A. Boxwala, and Robert A. Greenes. "Combining a Document Model and an Execution Model for Clinical Guidelines", (poster-presentation). *Proceedings of the American Medical Informatics Association (AMIA) Annual Symposium*, Washington DC, November 3-7, 2001, p. 1064.
 9. Irene S. Gabashvili, Mor Peleg, and Russ B. Altman, "Modeling Molecular Function and Failure: Misreading of Genetic Code by the Ribosome", (poster presentation), *Biophysical Journal*, January 2002, 82(1), part 2, p. 167a.
 10. Irene S. Gabashvili, Mor Peleg, and Russ B. Altman, "Ontology of ribosomal function and failure: the case of translational misreading". *Proceedings of the Triennial International Conference on the Ribosome*. Queenstown, New Zealand, January 27- February 1, 2002. p.127.
 11. Mor Peleg, Irene S. Gabashvili, and Russ B. Altman. "Modeling mutations, abnormal processes, and disease phenotypes using a workflow/Petri Net model". *Proceedings of the 10th International Conference on Intelligent Systems for Molecular Biology*, Edmonton, Canada, August 3-7, 2002, p. 61.

12. Mor Peleg, Irene S. Gabashvili, and Russ B. Altman, "Modeling Mutations, Abnormal Processes, and Disease Phenotypes Using a Workflow/Petri Net Model", *Biomedical Computation @ Stanford Symposium (BCATS)*, October 26, 2002, p. 58.
13. Mor Peleg, "Support for Guideline Development through Error Classification and Constraint Checking", *Biomedical Computation @ Stanford Symposium (BCATS)*, October 26, 2002, p. 24.
- * 14. Mor Peleg "Modeling Guideline Medical Knowledge for Content-based Indexing and Comparison", *Symposium on Computerized Guidelines and Protocols, organized in the framework of the International Joint Meeting EuroMISE 2004*, Prague, Czech Republic, April 12-14, 2004
- ** 15. Mor Peleg, Dongwen Wang, Adriana Fodor, Sagi Keren, Ahron Kulater, and Eddy Karnieli. "Early Steps in Implementation of a Diabetes Foot Disorders Guideline for Clinical Decision Support". *The Annual Conference of the Israeli Society for Diabetic Foot*; 2004 (mis.hevra.haifa.ac.il/~morpeleg/pubs/Diabetic_Conf.html)
- ** 16. Dizza Beimel, Mor Peleg, Dov Dori, and Jacob Slonim. "Eliciting and characterizing scenarios of disclosure of private health data". (poster-presentation). *Proceedings of the American Medical Informatics Association (AMIA) Annual Symposium*, Washington DC, November 11-15, 2006, p. 853.
- ** 17. Mor Peleg, Aviv Shachak, Dongwen Wang, Hana Sender, Shiri Shenhav and Eddy Karnieli. " A multi-perspective methodology for studying user interactions with a decision-support system", *Proceedings of the Second conference on Human Factors in Health Informatics*, Aarhus, Denmark, June 6-8, 2007.
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