

CURRICULUM VITAE**• Personal Details**

Name: Chanan Glezer

Date and place of birth: 20 July, 1963, Tel Aviv, Israel

Military service: 1981-1989: MIS officer, System Designer and Application Programmer,
The Information Technology Unit of the Human Resource Management
Division, IDF

Address and telephone number at work:

Department of Industrial Engineering and Management
Ariel University, Ariel 40700
Telefax: 03-9066921

Address and telephone number at home:

Halotem 4, Kochav Yair 44864
Telefax: +972-9-7492567
Cellular: +972-523-774508

E-mail address: Chanang@ariel.ac.il

• Education**Academic**

- 1994-6 Ph.D. College of Business Administration, Texas Tech University
Dissertation Title: "A Conceptual Model of an Intelligent Meeting-
Scheduler (IMS)"
Dissertation Supervisor: Prof. Surya B. Yadav
- 1991-3 M.B.A. With a specialization in Information Systems
The Leon Recanati Graduate School of Business Administration
Tel Aviv University
- 1985-9 B.Sc. General Science, Faculty of Exact Sciences, Tel Aviv University

• Employment History

- 2017-2018 Sabbatical, Cybersecurity Research Center (CSRC), Ben-Gurion University
- 2013-present Associate Professor, Department of Industrial Engineering and Management,
Ariel University
- 2015-present Research Associate, Cybersecurity Research Center (CSRC), Ben-Gurion
University
- 2007-2013 Senior Lecturer, Department of Industrial Engineering and Management, Ariel
University (Tenured, 2011)
- 2007-2010 Consultant, Deutsche Telekom Laboratories at Ben-Gurion University
- 2000-2007 Lecturer, Department of Information Systems Engineering, Ben Gurion
University

- 1998-2000 Lecturer, Department of Industrial Engineering and Management, Information Systems Program, Ben Gurion University
- 1997-1998 Post-Doctoral Research Fellow, Department of Communication Systems Engineering, Ben Gurion University
- 1996 Instructor, Department of Information Systems and Quantitative Sciences, Texas Tech University
- 1994-1996 Teaching Assistant, Department of Information Systems and Quantitative Sciences, Texas Tech University
- 1992-1993 Teaching Assistant, M.B.A. Program, Tel Aviv University
- 1993 Research Assistant, Israeli Center for Business Research, Tel Aviv University
- 1985-1989 MIS Officer, IDF
- 1981-1985 Systems Designer and Application Programmer, IDF

• Scientific Publications

Refereed articles and refereed letters in scientific journals

1. Nissim, N., Cohen, A., Glezer, C., Elovici, Y., Detection of malicious PDF files and directions for enhancements: A state-of-the art survey, *Computers & Security*, 48, pp. 246-266, 2015, 5-year Impact Factor = 1.386.
2. Reyshav, I., Stein, E.W., Weisberg, J., Glezer, C. "The role of knowledge sharing in raising the task innovativeness of systems analysts," *International Journal of Knowledge Management (IJKM)*, 8 (2), pp. 1-22, 2012.
3. Puzis, R., Tubi, M., Elovici, Y., Glezer, C., Dolev, S. "A Decision Support System for placement of intrusion detection and prevention devices in large-scale networks," *ACM Transactions on Modeling and Computer Simulation*. 22 (1), pp. 5:1-5:26, 2011. 1-year Impact Factor= 0.684.
4. Shabtai, A., Kanonov, U., Elovici, Y., Glezer, C., Weiss, Y. "Andromaly: A behavioral malware detection framework for Android devices," *Journal of Intelligent Information Systems*, 38 (1), pp. 161-190, 2012 .5-year Impact Factor= 1.207.
5. Kaplan-Mor, N., Glezer, C., Zviran, M. "A comparative analysis of end-user training methods," *Journal of Systems and Information Technology*, 13 (1), pp. 25 – 42, 2011.
6. Lazar, L., Tikolsky, O., Glezer, C., Zviran, M. "Personalized cognitive passwords: An exploratory assessment," *Information Management and Computer Security*, 19 (1), pp. 25-41, 2011. **Highly Commended Award Winner at the Literati Network Awards for Excellence, 2012.**
7. Shmueli, E., Vaisenberg, R., Elovici, Y., Glezer, C., "Database Encryption: An overview of contemporary challenges and design considerations," *ACM SIGMOD Record*, 38 (3), pp. 29-34, 2009, 5-year Impact Factor= 2.607.
8. Shabtai, A., Weiss, Y., Kanonov, U., Elovici, Y., Dolev, S., Glezer, C. "Google Android: A comprehensive security assessment," *IEEE Security and Privacy*, Special Issue on Mobile Device Security, 8 (2), pp. 35-44, 2010, 1-year Impact Factor= 1.00.
9. Bechor, T., Neumann, S., Zviran, M., Glezer, C. "A contingency model for estimating success of Strategic Information Systems Planning," *Information and Management*, 47 (1), pp. 17–29, 2010. 5-year Impact Factor= 4.079.

10. Shabtai, A., Moskovitch, R., Elovici, Y., Glezer, C. "Detection of malicious code by applying machine learning classifiers on static features – a state-of-the-art survey," *Information Security Technical Report*, 14 (1), 16-29, 2009.
11. Tahan, G., Glezer, C., Elovici, Y., and Rokach, L. "Auto-Sign: An automatic signature generator for high-Speed malware filtering devices," *Journal in Computer Virology*, 6 (2), pp. 91-103, 2010.
12. Berlin, S., Raz, T., Glezer, C., Zviran, M. "Comparison of estimation methods of cost and duration in IT project," *Information and Software Technology*, 51 (4), pp. 738–748, 2009. 5-year Impact Factor= 1.148.
13. Zviran, M., Glezer, C., Avni, I. "User satisfaction from commercial web sites: The effect of design and use", *Information & Management*, 43 (2), pp. 157-178, 2006. 5-year Impact Factor= 4.079.
14. Elovici, Y., Glezer, C., Shapira, B. "Enhancing consumer privacy while searching for products and services on the World Wide Web," *Internet Research*, 5 (4), pp. 378-399, 2005. **Highly Commended Award, Emerald Literati Network, 2006.** 5-year Impact Factor= 1.157.
15. Glezer, C., Last, M., Nachmany, E. Shoval, P. "Quality and comprehension of UML interaction diagrams - an experimental comparison," *Information & Software Technology*, 47 (10), pp. 675-692, 2005. 5-year Impact Factor= 1.148.
16. Zviran, M., and Glezer, C. "Web site and organizational characteristics of Israeli firms," *International Journal of Electronic Business*, 3 (5), pp. 411-426, 2005.
17. Elovici, Y., Glezer, C. "Anonymity enhancing technologies (AET): Opportunities and threats," *Journal of Information Warfare*, 3 (3), pp. 49-62, 2004.
18. Glezer, C. "A conceptual model of an inter-organizational meeting-scheduler (IOIMS)," *Journal of Strategic Information Systems*, 12 (1), pp. 47-70, 2003. 5-year Impact Factor= 3.795.
19. Zviran, M., Ahituv, N., Glezer, C. "A conceptual model for increasing utilization of dependable computer networks," *Data & Knowledge Engineering*, 46 (3), pp. 247-269, 2003. 5-year Impact Factor= 1.852.
20. Glezer, C., Yadav, S.B. "A conceptual model of an intelligent catalogue search system (ICSS)," *Journal of Organizational Computing and Electronic Commerce*, 11 (1), pp. 31-46, 2001. 5-year Impact Factor= 1.270.
21. Giladi, R., Glezer, C., Melamoud, N., Ein-Dor, O., Etzion, R. "The Metaknowledge-based Intelligent Routing System (MIRS)," *Data and Knowledge Engineering*, 34, pp. 189-217, August 2000. 5-year Impact Factor= 1.852.
22. Zviran, M., Glezer, C. "Towards generating a data integrity standard," *Data & Knowledge Engineering*, 32 (3), pp. 291-313, March 2000. 5-year Impact Factor= 1.863.
23. Glezer, C., Yadav, S.B. "A conceptual model of an intelligent meeting-scheduler (IMS)," *Journal of Organizational Computing and Electronic Commerce*, 9 (4), pp. 233-251, 1999. 5-year Impact Factor= 1.270.
24. Ahituv, N., Zviran, M., Glezer, C. "Top management toolbox for managing corporate IT," *Communications of the ACM*, 42 (4), pp. 93-99, 1999. 5-year Impact Factor= 3.175.
25. Zviran, M., Armoni, A., Glezer, C. "HIS/BUI: A conceptual model for bottom-up integration of hospital information systems," *Journal of Medical Systems*, 22 (3), pp. 147-159, 1998. 5-year Impact Factor= 0.813.

Book Chapters

1. Englert, R., Elovici, Y., Glezer, C. *Open Innovation and the R&D Chain: The Case of Collaboration with a University Research Institute*. In Applied Technology and Innovation Management, H. Arnold and C. Schläffer and M. Erner (Eds.), Springer-Verlag, pp. 25-35, 2010.
2. Elovici, Y., Glezer, C., Englert, R. *How to protect Critical Infrastructures from cyber-terror attacks*, invited paper, in Security Informatics and Terrorism: Patrolling the Web - Social and Technical Problems of Detecting and Controlling Terrorists' Use of the World Wide Web, C. S. Gal, P. B. Kantor, and B. Shapira (Eds.), IOS Press, pp. 224 – 232, 2008.

Chapters in conference proceedings

1. Nacshon, L., Puzis, R., Sanmateu, A., Glezer, C. "DiffTrack: Pinpointing key-posts of influence within discussion topics in social media," In Proc. *International Conference on Social Media Marketing*, August 21-23, 2017.
2. Puzis, R., Bakulin, Y., Elovici, Y., Glezer, C. "Targeted marketing in social networks," In Proc. *6th Israeli IE&M Research Conference*, Ma'ale-Hahamisha, March 17-18, 2013.
3. Wu, D., Reyhav, I., Glezer, C. "The effects of school website design and usability on knowledge sharing and user satisfaction," *10th AIS SIG-ED IAIM - International Conference on Informatics Education Research*, Shanghai, China, December 2-4, 2011.
4. Shmueli, E., Kruglov, A., Puzis, R., Elovici, Y., Englert, R., Glezer, C. "An attentive digital signage system," In Proc. *Mensch und Computer 2009, Digital Signage mit Interaktiven Displays Workshop*, Berlin, September 6, 2009.
5. Krishnamurthy, S., Anson, O., Sapir, L., Glezer, C., Rois, M., Shub, I., Schloeder, K. "Automation of facility management Processes using Machine-to-Machine technologies," In Proc. *Internet of Things 2008 International Conference for Industry and Academia*, Zurich, March 26-28, 2008.
6. Elovici, Y., Shabtai, A., Moskovitch, R., Tahan, G., Glezer, C. "Applying Machine Learning techniques for detection of malicious code in network traffic", invited paper, *30th Annual German Conference on Artificial Intelligence (KI-07)*, Osnabrück, Germany, LNCS Volume 4667/2007, pp. 44-50, Sept. 10-13, 2007.
7. Glezer, C., Krishnamurthy, S., Schloeder, K., Anson, O., Tahan, G., "M2MGen – An application generator for Machine-to-Machine applications", *1st Workshop on RFID Technology- Concepts, Applications, Challenges (IWRT 2007)*, Madeira Island, Portugal, June 12, 2007.
8. Moskovitch, R., Gus, I., Pluderman, S., Stopel, D., Feher, C., Glezer, C., Shahar, Y., Elovici, Y., "Detection of unknown computer worms activity based on computer Behavior using Data Mining". In: *Proc. IEEE Symposium on Computational Intelligence and Data Mining*, pp. 202-209, Honolulu, Hawaii, USA, April 1-5, 2007.
9. Zviran, M., Glezer, C. "Analysis of user satisfaction across types of commercial websites," *IABE 2005 Annual Conference*, Las-Vegas, October 16-19, 2005.
10. Glezer, C., Last, M., Nachmany, E. Shoval, P "Experimental comparison of Sequence and Collaboration Diagrams in different application domains," *CAISE '05- EMMSAD Workshop*, Porto, Portugal, June 13-17, 2005.

11. Zviran, M., and Glezer, C. "Enhancing robustness of telecommunication networks," *3rd WSEAS Int. Conf. on Artificial Intelligence, Knowledge Engineering and Databases (AIKED 04)*, Salzburg, Austria, February 13-15, 2004.
12. Glezer, C., Ben-Shimol, Y., Elovici, Y., "A Bounded Local Adaptive Packet Pricing (BLAPP) scheme for IP networks", *3rd WSEAS Int. Conf. on Applied Informatics and Communications (AIC'03)*, Rhodes Island, Greece, November 15-17, 2003.
13. Ben-Shimol, Y., Elovici, Y., Glezer, C., "Illusive Routing: Achieving anonymity using multiple cellular network providers", *2nd WSEAS Intern. Conf. on Electronics, Hardware, Wireless & Optical Communications (EHAC 2003)*, Mykonos Island, Greece, August 11-13, 2003.
14. Glezer, C., Yadav, S.B. "A conceptual model of an Intelligent Catalogue Search System (ICSS)," in *Proc. of Americas Conference on Information Systems 1999*, Milwaukee, WI, August 1999.
15. Glezer, C., Yadav, S.B. "A conceptual model and a prototype for an Intelligent Meeting-Scheduler (IMS)," *Proc. of the 7th Int. Conference on Artificial Intelligence and Expert Systems Applications (Expersys-1995)*, San-Francisco, November 1995.

• **Lectures and Presentations at Meetings and Invited Seminars not Followed by Published Proceedings**

1. "Cyber Warfare," Presentation to Israel's National Cyber Headquarters, 7.1.2014.
2. "Cyber Warfare," Presentation to Refael's Electronic Warfare Simulation Center, 14.1.2014.
3. "Cyber Warfare," Presentation to Singapore's Electronic Development Board, 24.3.2014.
4. "Cyber Warfare," Presentation to Israel Military Industry, 12.5.2014.
5. Elovici, Y., Glezer, C., Englert, R. "How to protect Critical Infrastructures from cyber-terror attacks", invited paper, *NATO Advanced Research Workshop: Security Informatics and Terrorism - Patrolling the Web*, Beer-Sheva, Israel, June 3-5, 2007.
6. Glezer, C. and Zviran, M. "A reconfiguration algorithm for distributed computer networks," *Int. Conf. on Enterprise Information System 2004*, Porto, Portugal, April 2004 (Poster).
7. Zviran, M., Armoni, A., and Glezer, C. "A conceptual model for bottom-up integration of hospital information systems," *INFORMS Dallas 1997 Cluster: Management of Medical Technology*, 1997.
8. "User satisfaction from commercial web sites: The effect of design and use", Presentation at the Faculty of Management, Tel Aviv University, 2.2.2006.
9. "User satisfaction from commercial web sites: The effect of design and use", Presentation at Ariel University Center of Samaria, 5.12.2006.

• **Research Grants**

2011

Co-PI, Topic: "The impact of E-Learning technology leveraging Personal Digital Assistants (PDAs) and digital pens on improving school climate." with I. Reyhav.
Funding Agency: Ariel University, Pedagogical Research Fund, Total Requested Grant: 30K NIS (duration 12 months).

2010

Co-PI, Topic: "The impact of school websites on learning experience and school atmosphere," with I. Reyhav. Funding Agency: Ariel University, Pedagogical Research Fund, Total Requested Grant: 20K NIS (duration 12 months).

2006-2007

PI and Project Manager, Topic: "M2M4FM- A Machine-to-Machine Communication Architecture for Facility Management," Funding Agency: Deutsche-Telekom, Total Requested Grant: 470K\$ (duration 14 months).

2005-2008

Researcher, Topic: "eDare - Early Detection Alert and Response to eThreats," Funding Agency: Deutsche-Telekom, Total Requested Grant: 2200K\$, PIs: S. Dolev, Y. Elovici, E. Gudes, and Y. Shahar.

2005 **Researcher**, Topic: "A Follow up study on eDare I-III proposal", Funding Agency: Duetsche-Telekom, Total Requested Grant: 133K\$ (duration 3 months), PIs: S. Dolev, Y. Elovici, E. Gudes, and Y. Shahar.

2005 **Researcher**, Topic: "A Feasibility study of the selected projects: eDare (I), eDare (II), eDare (III)", Funding Agency: Duetsche-Telekom, Total Requested Grant: 134K\$ (amount includes the eTime project of Y. Shahar) (duration 3 months), PIs: S. Dolev, Y. Elovici, and E. Gudes.

2004 **Researcher**, Topic: "Preparing 3 information security preliminary research proposals", Funding Agency: Duetsche-Telekom, Total Requested Grant: 175K\$ (duration 4 months), PIs: S. Dolev, Y. Elovici, and E. Gudes.

• Professional Activities

Positions in academic administration at Ben Gurion University

2003-2007	Member, Graduate Teaching Committee Department of Information Systems Engineering
2003-2007	Coordinator, Departmental Seminar Department of Information Systems Engineering
2001-2005	Coordinator, Departmental Library Budget Department of Information Systems Engineering
2002-2003	Moderator, Departmental Web-site Department of Information Systems Engineering
2001-2003	Member, Undergraduate Teaching Committee Department of Information Systems Engineering

Professional functions outside universities/institutions

Member of Editorial Review-Board:

- International Journal of E-Business Research (IRMA)
- Advances in E-Business Research Book Series (IDEA-Group)

Member of Program Committee:

- DEXA-International Conference on Electronic Commerce and Web Technologies (EC-Web '02), Aix-en-Provence, France, 2002

- DEXA–EC Web '03, Prague, Czech Republic, 2003
- DEXA–EC Web '04, Zaragoza, Spain, 2004
- DEXA–EC Web '05, Copenhagen, Denmark, 2005
- DEXA–EC Web '06, Krakow, Poland, 2006
- DEXA–EC Web '07, Regensburg, Germany, 2007
- DEXA–EC Web '08, Turin, Italy, 2008
- Information Resources Management Association (IRMA) International Conference 2006, Washington, D.C., 2006
- Information Resources Management Association (IRMA) International Conference 2007, Vancouver.

Reviewer:

- International Journal of Electronic Business
- International Conference on Information Systems
- International Journal of Information and Computer Security
- European Conference on Information Systems
- IEEE Transactions on Systems, Man and Cybernetics- Part C
- IEEE Transactions on Software Engineering
- Electronic Markets
- International Journal of Production Economics
- Journal of Systems and Software

Referee:

- Client Involvement Competition, 2002; The Information Technology Unit of the Human Resource Management Division, IDF
- Client Involvement Competition, 2001; The Information Technology Unit of the Human Resource Management Division, IDF

• **Educational activities**

Graduate courses taught at Ariel University Center of Samaria

- Marketing Communications and Electronic Commerce
- Information Systems (new course)

Undergraduate courses taught at Ariel University Center of Samaria

- Internet Development Environments (new course)
- Marketing Communications and Electronic Commerce
- Databases

Undergraduate courses taught at Ben Gurion University

- Internet Development Environments
- Design and Implementation of Internet Systems (new course)
- Organizational Computing (new course)
- Electronic Commerce (new course)
- Databases
- Introduction to MIS

Undergraduate course taught at Texas Tech University

- Databases

Graduate students (towards M.Sc.)

- N. Hindy, "Optimal Location of Municipality Schools," (pending final defense)
- E. Avni, "The relationship between a company's performance and its CIO's qualifications," M.Sc., 2007
- E. Nachmany, "Quality and comprehension of UML interaction diagrams-an experimental comparison," co-advised with P. Shoval and M. Last, M.Sc., 2004
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- **Awards, Citations, Honors, Fellowships**

1997-1998 Israeli National Committee for Budgeting and Planning of Higher Education; Post-Doctoral Research Fellow

- **Synopsis of research**

My research interests in information systems can be classified into the following main areas:

Computer and Network Security

I was involved in several IT security projects conducted under the auspices of Deutsche-Telekom (DT) research laboratories inaugurated at BGU during 2006 (T-Labs@BGU). The projects spanned across several topics including: malware detection and network security (papers 3-4, 10-11), critical infrastructure protection (book chapter 2), next-generation database security (paper 6), mobile handset security (papers 4, 8), customer data leakage prevention, and innovative technology exploration ("radar"). I also assisted the director of T-Labs@BGU, Prof. Yuval Elovici, as well as project managers, in various tasks such as: preparing manuscripts, presentations, business plans, and research proposals (book chapter 1).

Machine-to-Machine (M2M) Technology

I managed the Machine-to-Machine for Facility Management (M2M4FM) project conducted at T-Labs@BGU. The project proposed a distributed middleware framework for automatic facility control blending a variety of technologies such as: RFID, sensors, Complex Event Processing (CEP), and standard communication protocols (proceeding paper 7). A prototype of the proposed framework was implemented and tested at a DT facility in Germany and empirical results were published in proceeding paper 5.

Organizational Computing

My dissertation proposed and evaluated a knowledge-based groupware system for scheduling intra-organizational meetings (paper 23). The original model was further extended to support inter-organizational meetings by a mechanism for reconciling organizational knowledge schemas among different organizations represented in a meeting (paper 18). During my post-doctoral fellowship, I worked on a network-information retrieval system for media stored at a heterogeneous federation of information sources using dynamically-cached metadata (paper 21). Paper 5 evaluated effectiveness of several end-user training methods during the deployment of a new information system in an Israeli financial institution.

IS Strategy

Paper 9 investigated the success of the Strategic IS Planning (SISP) activity. This research surveyed Chief Information Officers (CIOs) in the U.S. in order to validate a planning

contingency model, where key success factors (KSFs) are supposed to have different impact on the success of the SISP process, depending on the fit between the planning context and SISP approach (3-way interaction). Paper 24 presented the "checks-and-balances" approach which facilitates better control of general management over the IS function in general, and over strategic IT projects in particular.

Electronic Commerce (EC)

Paper 20 presented a middleware architecture for brokerage among Electronic Product Catalogues (EPCs). Papers 13 and 16 employed a survey methodology to investigate the relationship between successful adoption of EC by firms and various constructs such as: user satisfaction, user-centered design, usability, web-site design, and economic/demographic characteristics of firms. The issues of privacy and anonymity on the Internet were investigated in the following two papers: paper 17 presented a taxonomy of Anonymity Enhancing Technologies (AET); and paper 14 an architecture for privacy-preserving in EC applications.

Software Engineering:

Paper 15 evaluated contingencies pertaining the effectiveness and efficiency of various UML interaction diagrams in modeling applications from different domains (i.e., real time systems and management information systems). In the area of project management, paper 12 benchmarked the performance of Linear Regression and Artificial Neural Networks (ANN) as models for estimating IT project costs (operationalized through project effort and project duration).