

CURRICULUM VITAE AND LIST OF PUBLICATIONS

1. Personal Details

Name: Ran Giladi
Date and place of birth: Haifa, Israel, 1955
Regular military service: 8/1973-1/1977 (Rank: Major)
E-Mail: ran@bgu.ac.il

2. Education

B.A. 1978-1980 Technion - Israel Institute of Technology (IIT) - Haifa, Israel - Department of Physics
M.Sc. 1980-1983 Technion - Israel Institute of Technology (IIT) - Haifa, Israel - Biomedical Engineering
Advisors: Prof. Shmuel Sideman and Prof. Shimon Bursztein
Thesis: A Computerized System for Online Control of Individual Hyper-alimentation.
Ph.D. 1988-1992 Tel-Aviv University, Faculty of Management, Computers & Information Systems, Leon Recanati Graduate School of Business Administration
Advisors: Prof. Niv Ahituv and Prof. Israel Borovits
Thesis: Evaluating Performance of Computers as a Part of the Information System.
LL.B. 2011-2015 Tel-Aviv University, Faculty of Law.

3. Employment History

2023-present Academic Studies College of Management, School of Computer Science
2015-2016 Academic Studies College of Management, School of Computer Science
Summer 2008 TKK-Helsinki University of Technology, now Aalto University, School of Science and Technology, Faculty of Electronics, Communications and Automation, Department of Communications and Networking, Finland
2004-2023 **Associate Professor**, Ben-Gurion University of the Negev, Department of Communication Systems Engineering, Faculty of Engineering Sciences, Ben-Gurion University of the Negev (Tenured Position)
2001-2016 Director, LanOptics Ltd. (NASDAQ: LNOP)
Director, EZchip Ltd. (NASDAQ: EZCH), a network processors company, sold for \$818M to Mellanox Technologies (NASDAQ: MLNX).
2000-2003 Founder, President & CEO, InfoCyclone Inc.
1996-2000 **Senior Lecturer**, Ben-Gurion University of the Negev, Department of Communication Systems Engineering, Faculty of Engineering Sciences, Ben-Gurion University of the Negev (Tenured Position)
1992-1996 **Lecturer**, Ben-Gurion University of the Negev, Departments of Industrial Engineering and Management (Information Systems) and Communication Systems Engineering
1992-1993 Adjunct Lecturer, Tel-Aviv University, Department of Electrical Engineering - Systems
1988-1993 Adjunct Lecturer, Tel-Aviv University, Faculty of Management
1985-1987 Co-Founder, Director and Vice President for Research and Development, "Harris-Adacom" - a \$200M international firm engaged in developing, manufacturing and marketing of computer-communications equipment
1984-1985 Manager of Research & Development, "Fibronics" - a firm engaged in data-communications.

- 1981-1984 Computer Engineer and Information System Manager, Technion (IIT) - Biomedical Engineering Department
- 1981 System programmer, University of Toronto - Computer Services (UTCS)
- 1979-1981 System programmer (IBM MVS systems), Technion (IIT) - Computer Center
- 1978-1979 Application programmer, Haifa University - Computing Center

4. Professional Activities

(a) Positions in academic administration at BGU

- 2010-2012 Chairman, Department of Communication Systems Engineering
- 2008-2011 Deputy Dean, Faculty of Engineering Sciences
- 1996-2000 Chairman, Department of Communication Systems Engineering
- 1995 Developer, Organizer and Founder of the New Department for Communication Systems Engineering in the Faculty of Engineering Sciences.
- 1995 Member, Planning Committee of the Industrial and Systems Engineering School in the Faculty of Engineering Sciences

(b) Professional functions outside universities/institutions

- 2020- 2025 Member of the International Program Committee of the Automation, Robotics & Communications for Industry (ARCI)
- 2004-2022 Venture Partner, Draper-Fisher-Jurvetson Tamir-Fishman Ventures (DFJ-TFV), DFJ Tel-Aviv Venture Partners, and then Tel-Aviv Ventures
- 2006-2022 Member of CODATA Israel, the Israel Academy of Science and Humanities
- 2006-2015 Member and Chairman of various evaluation and examination committees of the Council for Higher Education, Israel
- 2014 Member of the Program Committee of the Networking and Electronic Commerce Research Conference (NAEC 2014), Trieste, Italy
- 2011 Scientific advisor for IWT, the research and innovation funding agency of the Flemish (Belgian) government
- 2011 Member of the academic council, Dan Academic Center, Israel
- 2011, 2012, 2013, 2014 Member of the Program Committee of the International Conference on Telecommunication Systems, Modeling and Analysis (ICTSM 2011), Prague, Czech
- 2006-2009 Member, Directorate, Disksites Inc. the company was sold to Expand Networks.
- 2009 Co-chair of the Organizing Committee and the Program Committee of the IEEE GLOBECOM 2009 workshop on Below IP Networking (BIPN), Honolulu, Hawaii
- 2009 Member of the Program Committee of the International Conference on Telecommunication Systems, Modeling and Analysis (ICTSM 2009), Monterey, CA
- 2009 Member of the Program Committee of the 9th International Symposium on Autonomous Decentralized Systems (ISADS 2009), Athens, Greece
- 2008 Member of the Program Committee of the 21st International Conference on Parallel and Distributed Computing and Communication Systems (PDCCS) 2008, New Orleans, LA
- 2005 Co-chair of the Organizing Committee and the Program Committee of the NATO Advanced Research Workshop on Security and Embedded Systems, Patras, Greece
- 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013 Member of the Program Committee of the Networking and Electronic Commerce Research Conference (NAEC), Riva del Garda, Italy
- 2003-2005 Chairman of the Board of Directors, DiskSites Inc.
- 2000-2003 Chairman of the Board of Directors, InfoCyclone Inc.

- 2000 Member of the Executive Committee of the IEEE INFOCOM 2000, Corporate Partners chair, Tel-Aviv, Israel
- 1996-1999 Member, Directorate, Negev Software Industries Ltd.
- 1996-2000 Member, the National Committee for Israel-France Cooperation in Informatics, the Ministry of Science and Arts, State of Israel
- 1995 Member, Professional Committee in the Electrical Engineering (Systems Area), the Israel Science Foundation, the Israel Academy of Sciences and Humanities
- 1994-1997 Chairman and Member, National Consortium of Industrial and Academic Organizations for Generic Research in Network Management Systems, administered by the Chief Scientist, Ministry of Industry and Trade, State of Israel
- 1985-1987 Member, Directorate, Ramir Technologies Ltd. (Adacom Technologies)

(c) Significant professional consulting

- 1994-2000 Consultant in data communications, telecommunications and MIS issues, both technical and management aspects to many Israeli and international leading companies
- 1992-1996 Retained Consultant, advising senior management on technological trends and issues, and business development to Tadiran Telecommunications Ltd., a \$0.5B international firm engaged in developing, manufacturing and marketing of telecommunications equipment
- 1987-1990 Retained Consultant, technology and business development to Harris-Adacom Inc.

(d) Editor or member of editorial board of scientific or professional journal

- 1999-present Journal of Telecommunication Systems
- 2018-2020 Journal of Systemics, Cybernetics and Informatics
- 2011-2012 Electronic Commerce Research Journal
- 2007 IEEE Network, special issue on Network Systems Architecture

(e) Membership in professional/scientific societies

- 2017-present Israel Bar
- 2003-2010 IEEE Senior Member
- 1999-2000 ASEE - American Society for Engineering Education
- 1999-2008 IEEE Communications Society
- 1994-1995 AIS - Association for Information Systems
- 1990-1993 ACM - Association for Computing Machinery

5. Awards, Citations, Honors, Fellowships

- 1990-1991, David Golan Scholarship Fund, Tel-Aviv University
- 1988-1990, Tania and Alexander Borovits Scholarship, Tel-Aviv University

6. Scientific Publications

(a) Authored books

1. **Giladi, R.**, 1994, *Telephony and Personal Communications Systems*, Hod-Ami Publ., Israel, 174 pages
2. **Giladi, R.**, 2008, *Network Processors: Architecture, Programming, and Implementation*, Morgan Kaufmann Publ. (Elsevier), Burlington, MA, 736 pages

(b) Editorship of collective volumes

1. Serpanos, N. D. and **Giladi, R.**, 2006, *Security and Embedded Systems*, Volume 2 NATO Security through Science Series - D: Information and Communication Security, IOS press, Netherland, 216 pages

(c) Chapters in collective volumes

1. Sideman, S., **Giladi, R.**, Bursztein, S., Blieberg, B. and Ben Porat, M., 1985, "On-Line Computerized Energy Metabolism of the Critically Ill", in *Proc. of the International Conference on Education, Practice and Promotion of Computational Methods in Engineering Using Small Computers (EPMESC)*, Macao, pp. 557-563
2. **Giladi, R.** and Zviran, M., 1988, "Trends in Computer Technology and Their Effect on Organizational Information Systems", in *Proc. of the 2nd Annual Conference for MIS on Organizational and Economical Perspectives of Computerized Information Systems*, Tel-Aviv, Israel, pp. 23-26
3. **Giladi, R.** and Zviran, M., 1989, "A Methodology for CAD/CAM Policy Formulation", in *Proc. the 24th Annual National Conference on Data Processing*, IPA, Jerusalem, Israel, pp. 165-176
4. **Giladi, R.** and Zviran, M., 1990, "The Impacts of Improvements in Hardware Technology on Information Systems Distribution Patterns", in *Proc. of the 25th Annual National Conference on Data Processing*, IPA, Jerusalem, Israel, pp. 63-67
5. Spector, Y., Raveh, A. and **Giladi, R.**, 1991, "Analyzing 1988-1990 Mainframe Computer Characteristics by a Multivariate Graphical Methods", in *Proc. of the 26th Annual National Conference on Data Processing*, IPA, Jerusalem, Israel, pp. 65-89
6. **Giladi, R.**, Ahituv, N. and Borovits, I., 1992, "SPEC as a Performance Evaluation Measure", in *Proc. of the 6th Annual Conference for MIS on Organizational and Economical Perspectives of Computerized Information Systems*, Tel-Aviv, Israel, pp. 23-26
7. **Giladi, R.** and Shoval, P., 1993, "Routing Queries in a Network of Databases Driven by a Meta Knowledge-Base", in *Proc. of the Workshop on Next Generation Information Technologies and Systems (NGITS' 93)*, Eds. O. Etzion & A. Segev, Technion, Haifa, Israel, pp. 123-129
8. Ahituv, N. and **Giladi, R.**, 1993, "Business Success and Information Technology: Are They Really Related?", in *Proc. of the 7th Annual Conference for MIS*, Tel-Aviv, Israel, pp. 52-76
9. **Giladi R.**, Lipovetsky, S. and Tishler, A., 1993, "Evaluation and Approximation of Large Systems Using Multidimensional Eigenvector Analysis: An Application to MIS", in *Proc. of the International Conference on System Science and Systems Engineering (ICSSSE 93)*, Beijing, China, pp. 44-48
10. Ahituv, N. and **Giladi, R.**, 1993, "Business Success and Information Technology: Are They Really Related?", in *Proc. of the Fifth Workshop on Information Systems and Economics (WISE '93)*, Eds. E. Brynjolfsson & A. Seidmann, Florida, USA, pp. 33-40

11. Rosenne, D. and **Giladi, R.**, 1995, "Wireless Local Loop (WLL): Architecture and Technologies", in *Proc. of the International Symposium on Future Telecommunication and the Electromagnetic Environment, Commsphere 95*, Ed. J. Shapira, Israel National Committee of Radio Science & International Union of Radio Science, Israel, pp. 44-52
12. **Giladi, R.**, 1995, "Organizations' Information System Allotment: Balanced Development", in *Proc. of the 1995 Pan Pacific Conference on Information Systems (PACIS)*, Eds. C.H. Chuan & J.S. Dhaliwal, Dept. of Decision Sciences and Dept. of Information Systems & Computer Science, National University of Singapore, Singapore, pp. 219-225.
13. Shoval, P., Ein-dor, P., **Giladi, R.** and Spiegler, I., 1996, "A Meta Knowledge Base and a Search Mechanism for Distributed, Heterogeneous Databases", in *Proc. of the Americas Conference on Information Systems, Association for Information Systems (AIS)*, Phoenix, Arizona, USA, pp. 620-622
14. Roytblat, I., Gutterman, H. and **Giladi, R.**, 1996, "Master-Slave Network Buildup", in *Proc. of the 19th Convention of IEEE*, Jerusalem, Israel, pp. 12-15
15. **Giladi, R.**, 1996, "Network Management Systems", in *Proc. of the 1st National Conference on High Speed Networks, Datacom'96*, Nethania, Israel, pp. 12-22
16. Ohayon, R., **Giladi, R.** and Korach, E., 1996, "Network Resources Location", in *Proc. of the 19th Convention of IEEE*, Jerusalem, Israel, pp. 8-11
17. **Giladi, R.**, Blaunstein, N., Furcajg, F. and Levin, M., 1997, "Optimized Setup of Fixed Wireless Communication Systems", in *Proc. of the 5th International Conference of Telecommunication Systems: Modeling and Analysis*, Ed. B. Gavish, Nashville, USA, pp. 177-181
18. **Giladi, R.**, 1998, "The Role of Israel's Telecommunications Industry in Urban Frontier Development: Observations and Experience", in *Proc. of the 2nd International Conference Urban Development and Challenge for Frontier Regions*, Beer-Sheva, Israel, p. 67
19. **Giladi, R.**, Korach, E. and Ohayon, R., 1998, "Network Resources Location", in *Proc. of the 3rd IEEE Symposium on Computers and Communications*, Athens, Greece.
20. **Giladi, R.** and Gat, M., 2000, "Meta-Management of Dynamic Distributed Network Managers (MEMAD)", in *Proc. of the 11th IFIP/IEEE International Workshop on Distributed Systems: Operations and Management, DSOM 2000*, Eds. A. Ambler, S.B. Calo & G. Kar, Austin, Texas, USA.
21. **Giladi, R.**, 2004, "Heterogeneous Building Automation and IP Network Management", in *Proc. of the 24th IEEE International Conference on Distributed Computing Systems Workshops, the 3rd International Workshop on Assurance in Distributed Systems and Networks (ADSN)*, Eds., N-F. Tzeng and M. Takizawa, Tokyo, Japan, pp. 636-641
22. **Giladi, R.**, 2005, "Securing Home and Building Automation Systems: zPnP approach", in *Proc. of the NATO Advanced Research Workshop on Security and Embedded Systems*, Patras, Greece, pp. 170-179

23. Ben-Eliyahu-Zohary, R., **Giladi, R.**, Hendrix, P. and Shieber, S.M., 2007, “Clustering ad-hoc networks: Experiments in local search”, *Proc. of the 9th Bar-Ilan Symposium on the Foundations of Artificial Intelligence (BISFAI 2007)*, Ramat Gan, Israel
24. **Giladi, R.**, 2009, “Hierarchical Ethernet transport network architecture (HETNA)”, in *Proc. of the ICT-MobileSummit 2009*, Santander, Spain
25. **Giladi, R.**, 2009, “Scalable, hierarchical, Ethernet transport network architecture (HETNA)”, in *Proc. of the Networking and Electronic Commerce Conference (NEAC2009)*, Riva-del-Garda, Italy
26. **Giladi, R.** and Yemini, Y., 2009, “A programmable, generic forwarding element approach for dynamic network functionality”, in *Proc. of the 2nd ACM SIGCOMM Workshop on Programmable Routers for Extensible Services of TOmorrow (PRESTO 2009)*, Barcelona, Spain, pp. 19-24.
27. Avin, C., **Giladi, R.**, Lev-Tov, N. and Lotker, Z., 2009, “From Trees to DAGs: Improving the Performance of Bridged Ethernet Networks”, in *Proc. of the 2009 IEEE GLOBECOM*, Honolulu, Hawaii, pp. 1-6.
28. Amira, N., Lotker, Z. and **Giladi, R.**, 2010, “Distributed Weighted Stable Marriage Problem”, *17th International Colloquium on Structural Information and Communication Complexity*, SIROCCO 2010, Sirince, Turkey, pp. 29-40.
29. Menachi, E. and **Giladi, R.**, 2010, “A Service Layer for Providing Inter-CSP Transport Services”, *Networking and Electronic Commerce Conference (NEAC2010)*, Riva-del-Garda, Italy
30. Yemini, N. and **Giladi, R.**, 2010, “Service Oriented Forwarding Platform”, *Networking and Electronic Commerce Conference (NEAC2010)*, Riva-del-Garda, Italy
31. Avin, C., **Giladi, R.** and Guy, D., 2011, “PSP: path state protocol for inter-domain routing”, *16th IEEE Symposium on Computers and Communications (IEEE ISCC 2011)*, Kerkyra, Greece.
32. Avin, C., Dvory, Y. and **Giladi, R.**, 2011, “Geographical Quadtree Routing”, *16th IEEE Symposium on Computers and Communications (IEEE ISCC 2011)*, Kerkyra, Greece.
33. Yemini, N. and **Giladi, R.**, 2011, “Programmable Network Infrastructure for Data Centers Networks”, *Networking and Electronic Commerce Conference (NEAC2011)*, Ed. Gavish B., Riva-del-Garda, Italy
34. Gelberger, A., Yemini, N. and **Giladi, R.**, 2013, “Performance Analysis of Software-Defined Networking (SDN)”, *IEEE 21st International Symposium on Modelling, Analysis and Simulation of Computer and Telecommunication Systems (MASCOTS2013)*, San Francisco, CA, USA, pp. 389-393
35. Gelberger, A., Yemini, N. and **Giladi, R.**, 2013, “Software Defined Networks (SDN) Implementation Options”, *Networking and Electronic Commerce Conference (NEAC2013)*, Riva-del-Garda, Italy

36. **Giladi, R.** and Ariel, A., 2016, "Short-Term Group-Based Personalized Querying", *Workshop on Query Understanding and Reformulation for Mobile and Web Search, in The 9th ACM International Conference on Web Search and Data Mining (WSDM 2016)*, San-Francisco, CA, USA.
37. **Giladi, R.**, "A Tale of Interdisciplinary Studies: Communication Systems Engineering", *Interdisciplinary Research, Education, and Communication: IDREC 2018, The 12th International Multi-Conference on Society, Cybernetics and Informatics: IMSCI, Vol. I, 2018*, Orlando, Florida, USA, pp. 29-34.
38. **Giladi, R.**, "Improving Security and Privacy in Cloud-of-Clouds", *accepted for publication in the 8th IEEE International Conference on Informatics, Electronics & Vision (ICIEV)*, May 2019, Washington, USA.

(d) Refereed articles in scientific journals

1. **Giladi, R.** and Sideman, S., 1989, "Optimal Input Design: Case Study of the Metabolic Process", *Mathematical Biosciences*, Vol. 97, No. 2, pp. 179-197.
2. Ein-Dor, P., **Giladi, R.** and Tishler, A., 1991, "Economic Analysis of Computer Hardware Performance: Some Theoretical and Methodological Observations", *Communications of the ACM*, Vol. 34, No. 12, pp. 113-115.
3. Borovits, I. and **Giladi, R.**, 1993, "Evaluating Cost/Utilization of Organizations' Information Systems and Users", *Information & Management*, Vol. 25, No. 12, pp. 273-280.
4. **Giladi, R.** and Shoal, P., 1994, "An Architecture of an Intelligent System for Routing User Requests in a Network of Heterogeneous Databases", *Journal of Intelligent Information Systems*, Vol. 4, No. 3, pp. 205-219.
5. Rosenne, D. and **Giladi, R.**, 1995, "Cutting Costs by Cutting Wire", *Global Telephony*, Vol. 3, No. 5, pp. 52-54
6. **Giladi, R.** and Ahituv, N., 1995, "SPEC as a Performance Evaluation Measure", *IEEE Computer*, Vol. 28, No. 8, pp. 33-42.
7. **Giladi, R.**, Spector, Y. and Raveh, A., 1996, "1980-1990 Computers: An Analysis of Performance Attributes", *European Journal of Operational Research*, 95, pp. 439-450.
8. **Giladi, R.**, 1996, "Evaluation of the MFLOPS Measure: Models and Usage", *IEEE Micro*, Vol. 16, No. 4, pp. 69-75.
9. Shoal, P. and **Giladi, R.**, 1996, "Determination of an Implementation Order for IS Projects", *Information & Management*, Vol. 31, pp. 67-74.
10. Shanit, D., Lifshitz, T., **Giladi R.** and Peterburg, Y., 1998, "A Pilot Study of Tele-Ophthalmology Outreach Services to Primary Care", *Journal of Telemedicine & Telecare*, Vol. 4, Suppl. 1, pp. 1-2. (JR = Q1, 19/94, IF = 3.046/2.61, NC = 23)

11. Tishler, A., Lipovetsky, S. and **Giladi R.**, 1998, "The Effect of Firms and the Attributes of Their Information Systems: A Multivariate Analysis", *The Journal of Management Sciences & Regional Development*, Vol. 1, No. 1, pp. 49-66
12. Blaunstein, N., **Giladi, R.** and Levin, M., 1998, "Characteristics' Prediction in Urban and Suburban Environment", *IEEE Transactions on Vehicular Technology*, Vol. 47, No. 1, pp. 225-234.
13. Shanit, D., Lifshitz, T., **Giladi R.** and Peterburg, Y., 1998, "Tele-Ophthalmology for the Primary Healthcare Environment: Design and Validation, a Pilot Study", *Telemedicine Journal*, Vol. 4, No. 1
14. Blaunstein, N., **Giladi, R.** and Levin, M., 1999, "Unified Approach to Predict Cellular Characteristics in Urban Environments with Rectangular Grid-Plan Streets", *Radio Science*, Vol. 34, No. 5, pp. 1085-1102.
15. **Giladi, R.**, 1999, "An Undergraduate Degree Program for Communication Systems Engineering", *IEEE Transactions on Education*, Vol. 42, No. 4, pp. 295-304.
16. **Giladi, R.**, Gleser, C., Malamoud, N., Ein-Dor, P. and Etzion, O., 2000, "Metaknowledged Based Intelligent Routing System (MIRS)", *Data and Knowledge Engineering*, Vol. 34, No. 2, pp. 189-217.
17. **Giladi, R.** and Gat, M., 2000, "Meta-Management of Dynamic Distributed Network Managers (MEMAD)", *Service Management in Intelligent Networks: Lecture Notes in Computer Science (LNCS)*, Vol. 1960, pp.119-131.
18. Freedman, A., Gil, A. and **Giladi, R.**, 2002, "The Impact of Unbalanced Availability on the Grade of Service of Wireless Systems", *Wireless Personal Communications*, Vol. 20, No. 1, pp. 21-40.
19. Blaunstein, N., **Giladi, R.**, Freedman, A. and Levin, M., 2002, "Unified Approach of GOS Optimization for Fixed Wireless Access", *IEEE Transactions on Vehicular Technology*, Vol. 51, No. 1, pp. 200-208).
20. Blaunstein, N., Kovacs, I., Katz, D., Eggers, P. C. F., Ben-Shimol, Y., Andersen, J. B., **Giladi, R.** and Olesen, K., 2003, "Prediction of UHF Path Loss for Forest Environments", *Radio Science*, Vol. 38, No. 3, (1059) pp. 1-16.
21. **Giladi, R.**, Korach, E., and Ohayon, R., 2003, "Placement of Network Resources in Communication Networks", *Computer Networks Journal*, Vol. 43, No. 2, pp. 195-209.
22. **Giladi, R.**, 2004, "SNMP for Home Automation", *International Journal of Network Management*, Vol. 14, No. 4, pp. 231-240.
23. **Giladi, R.**, Korach, E. and Ohayon, R., 2004, "Path Selection under Multiple QoS Constrains – A Practical Approach", *Journal of High-Speed Networks*, Vol. 13, No. 2, pp. 155-167.

24. Katz, B., Greenberg, S., Blaunshtien, N., Yarkoni, T. and **Giladi, R.**, 2007, "New Error-Resilient Scheme Based on FMO and Dynamic Redundant Slices Allocation for Wireless Transmission", *IEEE Transactions on Broadcasting*, Vol. 53, No. 1, Part 2, pp. 308-319.
 25. Serpanos, D., Baldi, M. and **Giladi, R.**, 2007, "Network Systems Architecture", *IEEE Network*, Vol. 21, No. 4, pp. 6-7.
 26. Dvir, A., **Giladi, R.**, Kitroser, I. and Segal, M., 2010, "Efficient Decision Handoff Mechanism for Heterogeneous Networks", *International Journal of Wireless & Mobile Networks (IJWMN)*, Vol. 2, No. 1, pp. 1-13.
 27. Menachi, E. and **Giladi, R.**, 2010, "End-to-End Flexible Transport Service Provisioning in Inter-CSP Environments", *IEEE Communications Magazine*, Vol. 48, No. 8, pp. 118-125.
 28. Menachi, E., Avin, C. and **Giladi, R.**, 2012, "Scalable, Hierarchical, Ethernet Transport Network Architecture (HETNA)", *Journal of Telecommunication Systems*, Vol. 49, No. 3, pp. 299-312.
 29. Menachi, E. and **Giladi, R.**, 2013, "Hierarchical Ethernet Transport Network Architecture for backhaul cellular networks", *Wireless Networks*, Vol. 19, No. 8, pp. 1933-1943.
 30. Maltinsky, A., **Giladi, R.** and Shavitt, Y., 2017, "On Network Neutrality Measurements", *ACM Transactions on Intelligent Systems and Technology (TIST)*, Vol. 8, Issue 4, Article 56.
 31. **Giladi, R.**, 2018, "A Tale of Interdisciplinary Studies: Communication Systems Engineering", *Journal of Systemics, Cybernetics and Informatics*, Vol. 16, No. 5, pp. 28-33.
 32. **Giladi R.**, 2020, "Real-time identification of aircraft sound events", *Transportation Research Part D: Transport and Environment*, Vol. 87.
 33. **Giladi, R.** and Menaci, E., 2020, "Validating Aircraft Noise Models", *Proceedings*, Vol. 59, No.1.
 34. **Giladi, R.** and Menaci, E., 2024, "Validating aircraft noise models: Aviation environmental design tool at Heathrow", *Journal of Air Transport Management*, Vol. 116.
- (e) Published scientific reports and technical papers
1. **Giladi, R.** and Zviran, M., 1989, "Centralizing the Data, Distributing the Processing", Department of Administrative Sciences, Naval Postgraduate School, Monterey, California, Working Paper 89-02
 2. Ein-Dor, P., **Giladi, R.**, Tishler, A., 1990, "Economic Analysis of Computer Hardware Performance: Some Theoretical and Methodological Observations", Israel Institute of Business Research, Faculty of Management, Tel-Aviv University, Working Paper 54/90
 3. Borovits, I. and **Giladi, R.**, 1991, "The Inclusion of Users in Models for Evaluating Cost/Utilization of Information Systems", Israel Institute of Business Research, Faculty of Management, Tel-Aviv University, Working Paper 24/91

4. **Giladi, R.**, Ahituv, N. and Borovits, I., 1991, "SPEC as a Performance Evaluation Measure", Israel Institute of Business Research, Faculty of Management, Tel-Aviv University, Working Paper 26/91
5. **Giladi R.**, Lipovetsky, S. and Tishler, A., 1993, "Evaluation and Approximation of Large Systems Using Multidimensional Eigenvector Analysis: An Application to MIS", Israel Institute of Business Research, Faculty of Management, Tel-Aviv University, Working Paper 14/93
6. Tishler, A., Lipovetsky, S. and **Giladi R.**, 1993, "On the Effect of Information Systems (IS) Attributes on Firms' Performance", Israel Institute of Business Research, Faculty of Management, Tel-Aviv University, Working Paper 47/93
7. Ahituv, N. and **Giladi, R.**, 1993, "Business Success and Information Technology: Are They Really Related?", Israel Institute of Business Research, Faculty of Management, Tel-Aviv University, Working Paper 49/93
8. Blaunstein, N. and **Giladi, R.**, 1994, "Prediction of UHF-Wave Propagation in Suburban and Rural Environments", Tadiran Telecommunications Ltd., Israel, Report N3
9. **Giladi, R.**, 1995, "A B.Sc. Program in Communications Systems Engineering", National Council for High Education, Israel
10. Blaunstein, N. and **Giladi, R.**, 1996, "The Parametric Model for Predicting Radio Wave Propagation Above the Rough Ground Surface with Randomly Distributed Obstacles", Tadiran Telecommunications Ltd., Israel, Report N7
11. Blaunstein, N. and **Giladi, R.**, 1997, "Unified Approach to Predict Loss Characteristics in the Urban Microcellular Environments with Grid-Plan Streets", Tadiran Telecommunications Ltd., Israel, Report N8
12. Blaunstein, N. and **Giladi, R.**, 1998, "Prediction of Radiowave Characteristics in Urban Environment with Randomly Distributed Obstacles", Tadiran Telecommunications Ltd., Israel, Report N10
13. Berechya, D., Vershkof, I., **Giladi, R.**, Menachi, E., Avin, C., Porat, H., Kantola, R., Louma, M., Lamminen, O-P., 2008, "WP2 Network Architecture", ICT-ETNA Report D2.1, European Community's 7th Framework Program [FP7/2007-2013] Ethernet Transport Network Architecture (ETNA) grant 215462, <http://www.ict-etna.eu/documents/ETNA%20WP2%20Network%20and%20Service%20Architecture%20-%20D2.1%20R2%20-%20Issue%202.pdf>
14. **Giladi, R.**, Menachi, E., 2008, "WP3 Simulation and Prototyping goals, requirements and models", ICT-ETNA Report D3.1, European Community's 7th Framework Program [FP7/2007-2013] Ethernet Transport Network Architecture (ETNA) grant 215462, http://www.ict-etna.eu/documents/ETNA_D3_2_simulation_package_v1_1.pdf
15. **Giladi, R.**, Menachi, E., 2009, "WP3 Simulation Package - Guidance", ICT-ETNA Report D3.2, European Community's 7th Framework Program [FP7/2007-2013] Ethernet Transport

7. Lectures and presentations at meetings and invited seminars

(a) Invited plenary lectures at conference/meetings

1. **Giladi, R.**, 2011, "Future Internet", International Conference on Telecommunication Systems, Modeling and Analysis (ICTSM), Prague, Czech
2. **Giladi, R.**, 2018, "Interdisciplinary High-Tech Programs: Educated Ignoramus or Learned Professional Yield", *the 12th International Multi-Conference on Society, Cybernetics and Informatics: IMSCI*, Orlando, Florida, USA

(b) Presentation of papers at conferences/meetings (oral or poster, in addition to conference papers)

1. **Giladi, R.** and Shoval, P., 1995, "An Intelligent System for Routing User Requests in a Network of Autonomous Databases", *29th Annual National Conference on Data Processing*, IPA, Jerusalem, Israel
2. **Giladi, R.**, 1996, "Network Management Systems: Survey and Trends", *30th Annual National Conference on Data Processing*, IPA, Jerusalem, Israel
3. **Giladi, R.**, 1996, "Network Management Systems", *1st National Conference on High Speed Networks, Datacom'96*, Nethania, Israel
4. **Giladi, R.**, 1998, "Telecommunications: Welfare or Warfare", *32nd Annual National Conference on Data Processing*, IPA, Jerusalem, Israel
5. Ohayon, R., **Giladi, R.** and Korach, E., 2001, "A Path Selection Algorithm for Multiple Quality of Service (QoS) Constraints in High Speed Networks", *Workshop on Interdisciplinary Applications of Graph Theory and Algorithms*, Haifa, Israel
6. **Giladi, R.**, 2006, "Parallelism in Network Processors", *MPSoC'06 Workshop*, Colorado
7. Ben-Eliyahu-Zohary, R., **Giladi, R.**, Hendrix, P. and Shieber, S.M., 2008, "Clustering ad-hoc networks using local search", *Networking Seminar Artzi 2008*, Cisco Systems, Netania, Israel
8. **Giladi, R.** and Menachi, E., 2009, "ETNA's Service Layer Architecture for Automatic Provisioning of Inter-Domain Ethernet Transport Services", *2009 IEEE GLOBECOM workshop on Below IP Networking (BIPN2009)*, Honolulu, Hawaii
9. **Giladi, R.**, 2010, "A Programmable, Generic Forwarding Element", *Israeli Hungarian Workshop on Future Internet Research*, Technion, Haifa, Israel
10. Maltinsky, A., **Giladi, R.** and Shavitt, Y., 2017, "On Network Neutrality Measurements", *Israel Networking Day 2017*, Netanya, Israel.
11. **Giladi, R.**, 2018, "A Tale of Interdisciplinary Studies: Communication Systems Engineering", *Interdisciplinary Research, Education, and Communication: IDREC*

(c) Presentations at informal international seminars and workshops

1996 - SPEC Benchmarking Workshop (OSSC), Paderborn, Germany

1999 - Intel Academic Relations, Como, Italy

(d) Seminar presentations at universities and institutions

1. **Giladi, R.**, 1983, "A Computerized System for Online Control of Individual Hyperalimentation", Department of Bio-Medical engineering, Technion, Haifa, Israel
2. **Giladi, R.**, 1991, "Evaluating Performance of Computers as a Part of the Information System", Faculty of Management, Tel-Aviv University, Tel-Aviv, Israel
3. **Giladi, R.**, 1994, "Performance Evaluation Techniques", Department of Industrial Engineering and Management, Technion, Haifa, Israel
4. **Giladi, R.**, 1998, "MIRS: Routing Mechanism", IBM Research Haifa, Israel
5. **Giladi, R.**, 2000, "Qos Routing: Multi Constrain Problem", Department of Electrical Engineering, UCLA, Los Angeles, CA

8. **Patents**

1. 1988, Hadani, Y. and **Giladi, R.**, "Method of Advertising by Moving Information Across a Surface in the Form of Changing Light Points and Equipment Therefore", Israel Patent No. 85714
2. 2001, **Giladi, R.**, Shurman, M., Feldman, M., Gang, S., Kfir, Z., Turkel, I., Menachi, E., Weinraub, Y., "Information Retrieval System", Israel Patent No. 141599
3. 2001, **Giladi, R.**, Turkel, I., Kfir, Z., Gang, S., Moskovich, R., Levy, E., Shurman, M., Menachi, E., "Tree Search Unit", Israel Patent No. 145040
4. 2002, Levy, E., Kfir, Z., Kaplan, Y., Ben-Eliahu, R., Turkel, I., Moskovich, R., Menachi, E., **Giladi, R.**, Gang, S., Shurman, M., "Dynamic Information Retrieval System", US Patent No. 60/359,247
5. 2002, Turkel, I., Moskovich, R., Levy, E., Menachi, E., Kfir, Z., **Giladi, R.**, Gang, S., Weinraub, Y., Shurman, M. "Information Retrieval System", World Patent No. PCT/WO 02/067145/A2
6. 2002, Turkel, I., Moskovich, R., Levy, E., Menachi, E., Kfir, Z., **Giladi, R.**, Gang, S., Weinraub, Y., Shurman, M., "Query Resolution System", World Patent No. PCT/WO 02/067146/A2

9. **Research Grants**

PI:

1993-1994 **Giladi, R.**, Ben-Gurion University,

	Computer Communication Applications Laboratory	US\$	27,000
1993-1994	Blaunstein, N. and Giladi, R. , Tadiran Ltd., Modeling of the Microcellular Propagation Environment	US\$	15,000
1994-1995	Giladi, R. , MATIMOP - Israeli Industry Center for R&D Chief Scientist, Ministry of Industry and Trade, Modeling of the Microcellular Propagation Environment Network Management Systems: Research Directions	US\$	5,000
1995-1995	Blaunstein, N. and Giladi, R. , Tadiran Ltd., Wireless Communications	US\$	35,000
1995-1998	Gurewitz, E., and Giladi, R. , The Nuclear Research Center, Parallel Structures for Massive Computation	US\$	60,000
1995-1998	Giladi, R. , Korach, E. and Greenstein E., Ministry of Industry and Trade, Network Management Systems	US\$	350,000
1995-1998	Giladi, R. , Shoval P., Ein-Dor, P. and Spiegler, I., Ministry of Science An Intelligent System for Routing Information Requests in a Network of Heterogeneous Information Bases	US\$	250,000
1996-1996	Giladi, R. , MATIMOP - Israeli Industry Center for R&D Chief Scientist, Ministry of Industry and Trade, Telecommunications Management Network: Research Directions	US\$	5,000
1996-1999	Giladi, R. , Ministry of Industry and Trade, Distributed Management of Communication Networks	US\$	109,500
1996-1999	Ben-Eliahu, R., Giladi, R. , Cohen, R. and Geiger, D., Ministry of Industry and Trade, Fault Management for Data Communication Networks	US\$	180,000
1996-1996	Blaunstein, N. and Giladi, R. , Tadiran Ltd., Wireless Communications	US\$	33,000
1996-1998	Giladi, R. , Korach, E., Ministry of Industry and Trade, Testing Functionality of Communication Networks	US\$	60,000
1996-1996	Giladi, R. , Ministry of Industry and Trade, Networking Laboratory	US\$	683,750
1997-1997	Blaunstein, N. and Giladi, R. , Tadiran Ltd., Wireless Communications	US\$	33,000
1997-1998	Cohen, R. and Giladi, R. , Ministry of Industry and Trade, Hierarchical Distributed Management	US\$	50,000

1997-1999	Dolev, D. and Giladi, R. , Ministry of Industry and Trade, Architecture of Distributed Management	US\$	200,000
1997-2000	Giladi, R. and Ohaion, R., Ministry of Science, ATM Routing Scheme	US\$	63,000
1998-1999	Giladi R. and Stepanov, S., Ministry of Immigration, Channel Sampling	NIS	56,000
1998-1998	Blaunstein, N. and Giladi, R. , Innowave-Tadiran, Radio Wave	US\$	40,000
2008-2009	Giladi, R. , European Community's 7th Framework Program [FP7/2007-2013] Ethernet Transport Network Architecture (ETNA) Grant 215462	€	616,160
2010-2011	Giladi, R. , Ben-Gurion University, Ethernet Transport Network Laboratory	US\$	20,000
<u>Not PI (CI):</u>			
2011-2013	Blumberg, D., Giladi, R. , Oren, S., Ministry of Science, Remote Sensing, Polarized Imaging, Micro-satellite, Atmosphere Turbidity, Super-Resolution	US\$	49,000
<u>Total Research Grants</u>			US\$ ~3,100,000