

CURRICULUM VITAE

• Personal Details

Date and place of birth June, 6, 1947; Israel

Work (address and phone number) Ben-Gurion University of the Negev,
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• Education

B.Sc.: 1967-1970, Technion (Haifa), Faculty of Industrial Engineering and
Management

B.A.: 1970-1972, Haifa University, Department of Psychology and Department of
Philosophy

M.Sc.: 1970-1974, Technion (Haifa), Faculty of Industrial Engineering and
Management (Operations Research). Advisor: Prof. Cahen. Title: "Approximations
for the Poisson distribution and allied functions with an application to queueing
models".

M.A.: 1978-1980, Tel-Aviv University, Faculty of the Social Sciences (Dep. of
Psychology). Advisor: Prof. A. Nadler and Prof. D. Etzion. Title: "The effect of task
structure and personal rigidity on the dependence between Initiating Structure and
Consideration in leadership style".

Ph.D.: 1984-1985, Bar-Ilan University (Ramat-Gan, Israel), Department of
Mathematics (Statistics). Advisor: Prof. E. Mertzbach. Title: "Some statistical issues
associated with the operation of operating theaters". Title granted: May, 1988.

Quality Engineer (Since 1987; recertified 1996), A.S.Q (American Society for
Quality), U.S.A. Currently void (not renewed).

• **Employment History**

2008-Present: Professor, Ben-Gurion University of the Negev (BGU), Faculty of the Engineering Sciences, Department of Industrial Engineering, Beer-Sheva, Israel

2002-2003: Visiting Professor (on Sabbatical), McMaster University, Canada.

2000-2008: Associate Professor, BGU

1996-2000: Senior Lecturer, BGU

1993-1994: Visitor (on sabbatical) at The Center for Quality and Productivity Improvement (chaired by Prof. G. Box). College of Engineering, University of Wisconsin- Madison. U.S.A

1990-1996: Senior Lecturer, Tel-Aviv University, Faculty of Engineering, Department of Industrial Engineering (Senior, October, 1991)

1987-1990: Lecturer, Center for Technological Education, Holon (aff. Tel-Aviv University). Also in academic charge of computer system (not manager).

1984 - Teaching assistant (capacity as lecturer), Bar-Ilan University (Israel), Department of Mathematics

1974-1978: Lecturer, The Israel Institute of Productivity (courses delivered as requested by the Institute):

- School of Business Management
- School for Systems Analysis

1976-1977: Teaching Assistant (capacity as lecturer), Tel-Aviv University, Faculty of Management, The Leon Recanati Graduate School of Business Administration

1974-1977: Chief Researcher, Research Department, Israel Institute of Productivity

1974-1975: Teaching Assistant (capacity as lecturer), Tel-Aviv University, Faculty of Engineering, Department of Industrial Engineering

1972-1973: Consultant, Amit- Management Consultants

1970-1971: Teaching Assistant, Haifa University (Israel), Departments of Statistics and Psychology

• **Professional Activities**

(a) Positions and Activities in Academic Administration

2011: Chair of an ad-hoc Professional Committee, an inter-university committee to consider and recommend promotion to full professorship.

2008 – 2010: Department Deputy Chair, Ben-Gurion University of the Negev (BGU)

2008 – 2010: Chair, Department B.Sc. Committee
2008 – 2010: Chair, Department Supreme Teaching Committee
2008 – Member of two ad-hoc committees nominated by dean, Prof. Gabi Ben-Dor.
2006 – Chair, Committee for department teaching schedule (“Shibutzim”)
2004-2005: Chair, Committee for Department Evaluation (in preparation for department international evaluation)
2003- Chair, Committee for syllabi review
1997-2000: Chair , BGU Statistical Consulting Unit
2000 – Preparing new undergraduate program for Quality and Reliability Engineering
1999- Member of a team for advancement of quality at BGU (Appointment by rector, Professor Finger)
1999- Preparing a new undergraduate program for Statistics
1992-1995: Member of faculty committees (Admittance Com., Education Com.), Department of Industrial Engineering, Faculty of Engineering, Tel-Aviv University.

(b) Professional Functions Outside Universities

2006-Present: Chair, Technical Committee 1816 for national standardization in Quality and Reliability Engineering (Israel Institution of Standards).
2007-2008: Chair or member of eight expert committees preparing standards for Israel Institution of Standards.
2000- Member of the “Steering Committee for the National Quality Week”. A representative of BGU.
1996-2000. Quality advisor to Soroka Hospital (in the framework of cooperation agreement between Ben-Gurion University and Soroka Hospital)
1998- Member of Expert Committee 1914.07 of Israel Institution of Standards for preparation of Israeli equivalent of standard ISO 3534.
1997-1998 Member of the Education Ministry committee for development of curricula for courses in “Technology Management” (secondary-school system in Israel).
1986- Member of a national committee, appointed by Israeli government, to examine implementation of summer-time in Israel.

(c) Significant Professional Consulting

1974-1986 (project manager/professional consultant):

Health Ministry and Israel Institute of Productivity. Subject: Determining manpower requirements in governmental hospitals in Israel.

Energy Ministry. Subjects: Optimal allocation of energy to Israeli economic sectors in time of emergency (a linear-programming modeling); Estimating potential for energy conservation in the Israeli industry

The Israel Institute of Productivity. Subjects (a sample):

Estimating electricity conservation in Israeli economy due to summer-time (at the request of Mr. Meidan, then CEO of the Institute); Developing statistical methodology to determine manpower requirements for Israel income-tax authorities; Survey on the use of quantitative methods in the Israeli economy (in cooperation with Prof. Avi-Itzhak of the Technion);

Amit Consulting (private company). Subjects (a sample):

Organization of the Social-Welfare System of the Bat-Yam municipality;

Organization of the Education Department of the Lod municipality;

General diagnosis of Dan Hotel in Tel-Aviv;

General diagnosis of Acadia Hotel in Hertzelia;

Annual Production Planning for Pri-Hagalil (a manufacturing plant);

Freelance management consulting (a sample):

Statistical consulting to various departments in Israel Institute of Productivity;

Determining maintenance manpower requirements for Israel Aircraft Industry;

REFAEL: Building a forecast-model to predict requirements for personal computers;

Preparing for ISO 9000 certification (for a fruit-juice plant);

Developing information system for quality costs (for a rubber-products plant);

Constructing quality control sampling schemes for laboratory tests (for a plant that produces animal food);

A data-collecting system to determine building costs in Israel (for the Ministry of Infrastructure, in collaboration with a consulting-management company)

(d) Editorial Positions

Past- Communications in Statistics (Theory and Methods) - Associate Editor

Past- Communications in Statistics (Computation and Simulation) - Associate Editor

Past- Quality Engineering- Editorial Board

Present- IIE Transactions (Quality and Reliability Engineering) - Editorial Board

Present- Quality Technology & Quantitative Management (QTQM) - Associate
Editor

Present- International Journal of Operations and Quantitative Management (IJOQM) -
Editorial Board

(e) Membership in Professional/Scientific Societies

1986 - 2008 Institute of Industrial Engineers (I.I.E.), USA. Senior Member.

1989 - 2008 American Society for Quality (A.S.Q.), USA. Senior Member.

2011 - American Statistical Association (ASA), USA.

• **Educational Activities**

(a) Courses Taught

1. "Linear regression". Undergraduate. Ben-Gurion University (BGU).
2. "Advanced issues in quality engineering". Graduate. BGU.
3. "Quality and reliability engineering". Undergraduate. BGU.
4. "Software quality engineering". Undergraduate. BGU.
5. "Introduction to quality engineering". Undergraduate. BGU.
6. "Inventory management". Undergraduate. BGU.
7. "Advanced topics in simulation". Graduate. Tel-Aviv U.
8. "Models of inventory analysis". Graduate. Tel-Aviv U.
9. "Advanced approaches to quality". Graduate. Tel-Aviv U.
10. "Time-series analysis". Undergraduate. Tel-Aviv U.
11. "Management of production systems". Undergraduate. Tel-Aviv U.
12. "Advanced approaches in quality eng.". Undergraduate. Tel-Aviv U.
13. "Introduction to statistics". Undergraduate. Bar-Ilan U.
14. "Programming". Undergraduate. Tel-Aviv U.
15. "Management of production systems". Undergraduate. Tel-Aviv U.

(b) Research students

M. Sc. degrees (partial):

- D. Benson. Subject: "Forecasting product market penetration using inverse
normalizing transformations". **2000.**

- R. Arad. Subject: "Robust product design for a digital printing machine". **2001.**

- N. Peled. Subject: "Use of SPC to monitor patients in a Cardiac Intensive Care Unit" (with Dr. Harel Gilutz from Soroka Hospital). **2002**.
- K. Marom. Subject: "SPC for the general G/G/c queueing system". **2003**.
- H. Zuckerman. Subject: "Comparison of three approaches to response modeling for quality-related problems". **2004**.
- A. Bashan. Subject: "Evaluation approaches for quality in higher education". With Prof. N. Finger . **2006**.
- T. Harcabi. Subject: "Analysis of the teaching evaluation questionnaire at Ben-Gurion university of the Negev and developing statistical process control (SPC) system for teaching evaluation surveys". **2007**.
- A. Pauker. Subject: "Capacity planning of an e-mail gateway system using Monte-Carlo simulation". Co-supervised with the late Prof. Marvin Mandelbaum (Toronto University). October. **2008**.
- U. Sasson. Subject: "Selection of an optimal methodology for the implementation of Balanced Scorecard". Co-supervised with Prof. Menipaz. **2011**.
- E. Hadad. Subject: "Solving a mixture distribution problem via mixture linear regression- a comparison study of two approaches". **2011**.

Ph.D.:

- D. Benson: Modeling by Response Modeling Methodology (RMM), and prediction by Structure-Structure Correlation (SSC) and RMM, temperature-dependent properties of pure compounds. With Prof. Mordechai Shacham of the Chemical Engineering Department. **2007**.
- F. A'wad: Characterization of the statistical properties of Response Modeling Methodology (RMM), and comparing the effectiveness of systems of distributions (including RMM) as general models for distributions fitting. **2007**.
- R. Danoch. Implementation of Response Modeling Methodology to monitor dynamic processes. **2011**.

• Scientific Publications(a) Authored Books

- [1] Shore, H. (1982). *Quantitative Methods in the Design and Control of Work Processes*. The Israel Institute of Productivity. 800 pages, 2 volumes (in Hebrew), 2nd Ed., 1988.

- [2] Radday, Y.T., Shore, H.(1985). *Genesis - an Authorship Study in Computer Assisted Statistical Linguistics*. Analecta Biblica - 103, Rome Biblical Institute Press (Romae E Pontificio Instituto Biblico).
- [3] Shore, H. (1992). *Total Quality, Quality Control and Quality by Design* (in Hebrew), 2nd Ed., 1995. Self – published.
- [4] Shore, H. (1998). *Quality Engineering: A. Introduction to Quality. B. Quality Assurance* . 328 pages. The Open University. Tel-Aviv.
- [5] Shore, H. (2005). *Response Modeling Methodology- Empirical Modeling for Engineering and Science*. World Scientific Publishing Co. Ltd., Singapore.
- [6] Shore, H. (2007). *Coincidences in the Bible and in Biblical Hebrew*. iUniverse Publications Ltd., USA. 2nd edition Feb., 2008.

(b) Chapters in Collective Volumes

- [1] Ladany, S. P., Shore, H. (2004). Optimal warranty period when sale-price increases with the lower specification limit. In “*Frontiers in Statistical Quality Control 7*”. Eds. H. J. Lenz, and Wilrich, P. –TH. pp. 335-345. Springer-Verlag Ltd.
- [2] Shore, H. (1991). New control limits that preserve the skewness of the monitoring statistic. *Transactions of the 45th Annual Quality Congress*. American Society for Quality. 77-83.
- [3] Shore, H. (2001). Process control for non-normal populations based on inverse normalizing transformations. In “*Frontiers in Statistical Quality Control 6*”. Eds. H. J. Lenz, and Wilrich, P. –TH. pp. 194-206. Springer-Verlag Ltd.
- [4] Shore, H. (2001). “Inverse normalizing transformations and a normalizing transformation”. In “*Advances in Methodological and Applied Aspects of Probability and Statistics*”, Book, N. Balakrishnan (Ed.), V. 2 , pp. 131-146, Gordon and Breach Science Publishers.
- [5-11] Shore, H. (2008). *Encyclopedia of Statistics in Quality and Reliability*. Editors in Chief: Ruggeri, F., Faltin, F., Kenett, R.; John Wiley & Sons. New-York. Seven contributed entries:
- Auto-correlation function;
 - Dependence;
 - Descriptive statistics;
 - Monte-Carlo methods;
 - Moving average;

- Sample size determination;
- Variance.

[12] Shore, H. (2010). Distribution fitting with the quantile function of Response Modeling Methodology. Chapter 13 in Karian, Z. A., Dudewicz, E. J. (Eds.). *Handbook of Fitting Statistical Distributions with R*. Taylor and Francis Group, LLC.

[13] Shore, H., Benson-Karhi, D., Brauner, N., Shacham, M. (2007). Prediction of temperature-dependent properties by correlations based on similarity of molecular structures. *Proceedings of AIChE07 Annual Meeting* (American Institute of Chemical Engineers). Salt-Lake City, USA.

(c) Refereed Articles in Scientific Journals

[1] Radday, Y.T., Shore, H. (1974). AND in Isaiah. *Revue* (Journal of the International Organization for Ancient Languages Analysis by Computer, 25-41.

[2] Radday, Y.T, Shore, H. (1976). The definite article: a Type - and/or author - specifying discriminant in the Hebrew Bible. *ALLC Bulletin* (Association for Literary and Linguistic Computing),4(1), 23-31.

[3] Radday, Y.T., Shore, H. (1977). An inquiry into the homogeneity of the Book of Judges by means of Discriminant Analysis. *Linguistica Biblica*, 41, 21-34.

[4] Radday, Y.T, Shore, H., Pollatschek, M., and Wickman, D. (1982). Genesis, Wellhausen and the Computer". *Zeitschrift fur die Alttestamentliche Wissenschaft* (in English), 94, 467-481. (Comment: A multivariate statistical analysis of quantitative data extracted from biblical text).

[5] Shore, H. (1982). Simple approximations for the inverse cumulative function, the density function and the loss integral of the normal distribution. *Applied Statistics*, 31(2), 108-114.

[6] Shore, H. (1984). Summer time and electricity conservation: the Israeli case. *The Energy Journal*, 5(2), 53-70. (Comment: A statistical analysis of nation-wide consumption data provided by the Israeli Electric Cooperation).

[7] Shore, H. (1986a). Simple general approximations for a random variable and its inverse distribution function based on linear transformations of a non skewed variate. *SIAM J. Sci. Stat. Comput.*, 7(1), 1-23.

- [8] Shore, H. (1986b). An approximation for the inverse distribution function of a combination of random variables, with an application to operating theaters. *Journal of Statistical Computation and Simulation*, 23(3), 157-181.
- [9] Shore, H. (1986c). Approximate closed form solutions to some tests related to the binomial distribution. *The Statistician* (Journal of the Institute of Statisticians, England), 35(4), 471-478.
- [10] Shore, H. (1986d). General approximate solutions for some common inventory models. *Journal of the Operational Research Society*, 37(6), 619-629.
- [11] Shore, H. (1988a). An approximation for the error of the normal approximation to a linear combination of independently distributed random variables. *IIE Transactions*, 20(3), 242-246.
- [12] Shore, H. (1988b). Simple approximations for the GI/G/c queue, Part I: The steady state probabilities. *Journal of the Operational Research Society*, 39(3), 279-284.
- [13] Shore, H. (1988c). Simple approximations for the GI/G/c queue, Part II: The moments, the inverse distribution function and the loss function of the number in the system and of the queue delay. *Journal of the Operational Research Society*, 39(4), 381-391.
- [14] Shore, H. (1990). A comment on Norton. *The American Statistician*, 44(3).
- [15] Shore, H. (1993). No simple solutions exist for controlling short runs. *Quality Progress*, 26(10), 6-7.
- [16] Shore, H. (1995a). Fitting a distribution by the first two moments (partial and complete). *Journal of Computational Statistics and Data Analysis*. 19, 563-577.
- [17] Shore, H. (1995b). Setting safety lead-times for purchased components in assembly systems- a general solution procedure. *IIE Transactions*, 27, 634-637.
- [18] Shore, H. (1995c). Identifying a two-parameter distribution by the first two moments (partial and complete). *Journal of Statistical Computation and Simulation*, 52, 17-32.
- [19] Shore, H. (1996a). Optimum schedule for preventive maintenance- a general solution for a partially specified time-to-failure distribution. *POMS (An International Journal of the Production and Operations Management Society)*, 5(2), 148- 162.
- [20] Shore, H. (1996b). A new estimate of skewness with MSE smaller than that of the sample skewness. *Communications in Statistics (simulation and Computation)*, 25(2), 403-414.
- [21] Shore, H. (1996c). Some notes on Kumaran and Achary (1996). *Journal of the Operational Research Society*, 47, 1425-1429.

- [22] Shore, H. (1997a). Process capability analysis when data are autocorrelated. *Quality Engineering*, 4(4), 615-626.
- [23] Shore, H. (1997b). A general formula for the failure rate function when distribution information is partially specified. *IEEE Transactions on Reliability*, 46(1), 116-121.
- [24] Shore, H. (1997c). Enhancement for two commonly-used approximations for the inverse cumulative function of the normal distribution. *Communications in Statistics (Simulation and Computation)*, 26 (30), 1041-1047.
- [25] Shore, H. (1998a). Solution procedures with limited sample-data for the optimal replacement problem. *POMS (An International Journal of the Production and Operations Management Society)*, 7(4), 417-422.
- [26] Shore, H. (1998b). A new approach to analysing non-normal quality data with application to process capability analysis. *International Journal of Production Research (IJPR)*. 36(7). 1917-1933.
- [27] Shore, H. (1998c). Approximating an unknown distribution when distribution information is extremely limited. *Communications in Statistics (Simulation and Computation)*, 27(2), 501-523.
- [28] Shore, H. (1999a). A general solution of the preventive maintenance problem when data are right-censored. *Annals of Operations Research*, 91, 251-261.
- [29] Shore, H. (1999b). Optimal solutions for stochastic inventory models when the lead-time demand distribution is partially specified. *International Journal of Production Economics*, 59, 477-485.
- [30] Shore, H. (2000a). General control charts for variables. *International Journal of Production Research*, 38(8), 1875-1897.
- [31] Shore, H. (2000b). General control charts for attributes. *IIE Transactions (Quality and Reliability Engineering)*, 32 (12), 1149-1160.
- [32] Shore, H. (2000c). Three approaches to analyze quality data originating in non-normal populations. *Quality Engineering*, 13 (2), 277-291.
- [33] Shore, H. (2001a). A comment on general control charts for variables. *International Journal of Production Research*, 39(9), 2063-2064.
- [34] Shore, H. (2001b). Modeling a non-normal response for quality improvement. *International Journal of Production Research*, 39 (17), 4049-4063.
- [35] Shore, H. (2002a). Modeling a response with self-generated and externally-generated sources of variation. *Quality Engineering*, 14(4), 563-578.

- [36] Shore, H. (2002b). Response Modeling Methodology (RMM)- Exploring the implied error distribution. *Communications in Statistics (Theory&Methods)*, 31(12), 2225-2249.
- [37] Shore, H., Brauner, N., and Shacham, M. (2002). Modeling physical and thermodynamic properties via inverse normalizing transformations. *Industrial and Engineering Chemistry Research*, 41, 651-656.
- [38] Shore, H. (2003). Response Modeling Methodology (RMM)- A new approach to model a chemo-response for a monotone convex/concave relationship. *Computers and Chemical Engineering*, 27(5), 715-726.
- [39] Shore, H., Arad, R. (2003). Product robust design and process robust design- are they the same? (No). *Quality Engineering*, 16(2), 193-207.
- [40] Shore, H. (2004a). Response Modeling Methodology (RMM)- Validating evidence from engineering and the sciences. *Quality & Reliability Engineering International*, 20, 61-79.
- [41] Shore, H. (2004b). Non-normal populations in quality applications- A revisited perspective. *Quality & Reliability Engineering International*, 20(4), 375-382.
- [42] Shore, H. (2004c). A general solution for the newsboy model with random order size and possibly a cutoff transaction size. *Journal of the Operational Research Society*, 55(11), 1218-1228.
- [43] Shore, H. (2004d). Response Modeling Methodology (RMM)- Current distributions, transformations and approximations as special cases of the RMM error distribution. *Communications in Statistics (Theory& Methods)*, 33(7), 1491-1510.
- [44] Shore, H. (2004e). The Random Fatigue Life Model as a special case of the RMM model- A comment on Pascual (2004). *Communications in Statistics (Simulation& Computation)*, 33(2), 537-539.
- [45] Shore, H. (2004f). Determining measurement error requirements to satisfy statistical process control performance requirements. *IIE Transactions*, 36(9), 881-890.
- [46] Shore, H. (2005a). Accurate RMM-based Approximations for the CDF of the Normal Distribution. *Communications in Statistics (Theory& Methods)*, 34(2). 507-513.
- [47] Shore, H. (2005b). Response Modeling Methodology (RMM)- Maximum likelihood estimation procedures. *Computational Statistics and Data Analysis*. 49, 1148-1172.
- [48] Benson-Karhi, D., Shore, H., Shacham, M. (2005). Applying response modeling methodology to model temperature-dependency of vapor pressure. *Lecture Series on Computer and Computational Sciences*. 4, 835-838.

- [49] Shore, H. (2006). Control charts for the queue-length in a G/G/s system. *IIE Transactions (Quality & Reliability Engineering)*. 38(12), 1117-1130.
- [50] Shore, H. (2007). Comparison of Generalized Lambda Distribution (GLD) and Response Modeling Methodology (RMM) as general platforms for distribution fitting. *Communications in Statistics (Theory & Methods)*. 36(15), 2805-2819.
- [51] Shacham, M., Brauner, N., Shore, H. (2007). A New procedure to identify linear and quadratic regression models based on signal-to-noise-ratio indicators. *Mathematical and Computer Modeling*. 46, 235-250.
- [52] Benson-Karhi, D., Shore, H., Shacham, M. (2007). Modeling temperature-dependent properties of water via response modeling methodology (RMM) and comparison with acceptable models. *Industrial & Engineering Chemistry Research*. 46(10). 3446-3463.
- [53] Ladany, S., Shore, H. (2007). Profit maximizing warranty period with sales expressed by a demand function. *Quality and Reliability Engineering International*, 23(3), 291-301.
- [54] Shore, H., Benson-Karhi, D. (2007). Forecasting S-shaped diffusion processes via response modeling methodology. *Journal of the Operational Research Society*, 58(6), 720-729.
- [55] Shacham, M., Brauner, N., Shore, H., Benson-Karhi, D. (2008). Predicting Temperature-Dependent Properties by Correlations Based on Similarity of Molecular Structures – Application to Liquid Density. *Industrial and Engineering Chemistry Research*, 47(13), 4496-4504.
- [56] Shore, H. (2008a). Comparison of linear predictors obtained by data transformation, generalized linear models (GLM) and response modeling methodology (RMM). *Quality and Reliability Engineering International*, 24(4), 389-399.
- [57] Shore, H. (2008b). Distribution fitting with response modeling methodology (RMM) - some recent results, *American Journal of Mathematical and Management Sciences*, 28(1&2), 3-18.
- [58] Shore H., A'wad, F. (2010). Statistical comparison of the goodness-of-fit delivered by five families of distributions used in distribution fitting, *Communication in Statistics (Theory & Methods)*, 39(10), 1707-1728.
- [59] Shore H., Benson-Karhi, D. (2010). Modeling temperature-dependent properties of oxygen, argon and nitrogen via Response Modeling Methodology (RMM) and comparison with acceptable models. *Industrial & Engineering Chemistry Research*, 49(19), 9469-9485.
- [60] Shore, H. (2011). Response Modeling Methodology - Advanced Review. *WIREs Computational Statistics*, V. 3 (4), 357-372.

[61] Shore, H. (2011). Estimating RMM Models - A Focus Article. Submitted by invitation to *WIREs Computational Statistics* (currently under review).

(d) Other Refereed Publications (scientific reports and technical papers)

- Shore, H. (1993). "No simple solutions to short-run SPC". A comment. *Quality Progress*, October, p. 6-7.
- Shore, H. (1994). "Normalizing transformations for Shewhart-type control schemes". Accepted as Report No. 118 (after refereeing), *Center for Quality and Productivity Improvement, University of Wisconsin-Madison*.

(e) Non-refereed Professional Articles and Publications

About twenty professional articles published in Israeli professional journals (in Hebrew). Examples:

- Shore, H. (August, 1993). "System-problems and operation-problems". The TQM Journal.
- Shore, H. (November, 1993). "Quality improvement and defending against Murphy". The TQM Journal.
- Shore, H. (March, 1994). "TQM in every-day life". The TQM journal.
- Shore, H. (March, 1995). "Statistical process control". The TQM journal.

(f) Classified articles and reports

Each of the consulting activities related to earlier resulted in a published technical report (about twenty major reports).

• Lectures and Presentations at Meetings and Invited Seminars (not always followed by published proceedings)

(a) Invited plenary lectures or seminars at conferences/meetings (partial)

- 1986- Singapore Informatics '86 (as guest of honor). Keynote speaker. Singapore.
- 1996- The Ninth Conference of Industrial Engineering and Management. Keynote speaker. May. Hertzelia, Israel.
- 2006- Symposium on Fitting Statistical Distributions to Data. Keynote speaker.

Auburn University. March. Auburn, Alabama.

2008- "Quality – Theory and practice". Keynote speaker. Israel Society for Quality. Ort Braude College. May. Carmiel. Israel.

2008 – "Quality – Today&Beyond". 17th International Conference of the Israel Society for Quality. An invited 3 hour seminar. November. Jerusalem.

(b) Invited presentations (partial)

1996- The 14th Triennial Conference of the International Federation of Operational Research Societies (IFORS). July. Vancouver, Canada.

1997- The Sixth International Colloquium on Numerical Analysis and Computer Science with Applications. August. Plodiv, Bulgaria.

1998- INFORMS/ORSIS Joint International Meeting. June. Tel-Aviv.

The VI International Workshop on Intelligent Statistical Quality Control. September. Wurzburg, Germany.

1998- IISA (International Indian Statistical Association) International Conference. October. McMaster University, Hamilton, Canada.

1999- The IV-th ISIR (International Society for Inventory Research) summer school on inventory modeling. August. Exeter, England.

2000- 2-nd International Conference on Mathematical Methods in Reliability. (MMR'2000). July. Bordeaux, France.

2000- International Conference on Modeling and Analysis of Semiconductor Manufacturing (MASM 2000). Organized partially by SEMATECH. May. Tempe. Arizona.

2001- The VII International Workshop on Intelligent Statistical Quality Control. September. Waterloo. Canada.

2001- CMA 2001 (Characterization and Modeling Analysis). December. Turkey.

2004- Fall Technical Conference (FTC). Joint conference of the American Statistical Association (ASA) and the American Society for Quality (ASQ). Roanoke, Virginia.

2006. The Sixteenth International Conference of the Israel Society for Quality. Nov., Tel-Aviv. Two lectures (one jointly with A. Bashan and N. Finger; The other lecture invited).

(c) Presentation of papers at conferences/meetings (partial)

1973- Sixth World Congress of Jewish Studies. Jerusalem

- 1976- Annual Conference of the Information Processing Association of Israel. Haifa, Israel.
- 1979- International Conference of Literary & Linguistic Computing (Int. Assoc. for Liter. & Linguistic Computing). Kibbutz Shefayim, Israel.
- 1986- Annual Conference of the Israel Association of Statistics. Jerusalem.
- 1988- U.S. - Israel Productivity Measurement Seminar, Joint U.S. - Israel seminar (sponsored by the respective Labor Ministries). Jerusalem.
- 1990- The Eighth International Conference of the Israel Society for Quality Assurance. November. Jerusalem.
- 1991- The 45th Annual Conference of the A.S.Q.C (American Society for Quality Control). May. Milwaukee. U.S.A.
- 1992- The Ninth International Conference of the Israel Society for Quality Assurance. November. Jerusalem.
- 1992- The Annual Conference of the Royal Statistical Society. September. Sheffield, England.
- 1992- The EuroXII/TimsXXXI Joint International Conference. June. Helsinki, Finland.
- 1992- The Seventh Conference of Industrial Engineering and Management (sponsored by the Technion, Tel-Aviv University, Ben-Gurion University of the Negev and the Israel Society of Industrial Management Engineers). April. Haifa, Israel.
- 1992- The Annual Conference of the Israel Society for Computer-Aided Design and Production. June. Tel-Aviv, Israel.
- 1993- ORSA/TIMS Joint National Meeting. November. Phoenix, U.S.A.
- 1994- ORSA/TIMS Joint National Meeting. April. Boston, U.S.A.
- 1995- INFORMS Fall '95 National Meeting. November. New Orleans, U.S.A.
- 1995- The 13th International Conference on Production Research. August. Jerusalem.
- 1995- EURO XIV, the 14th European Conference on Operational Research. July. Jerusalem
- 1996- The Bi-Annual Conference of ISIR (International Society for Inventory Research). July. Budapest, Hungary.
- 1996- The 11th International Conference of the Israel Society for Quality. November. Jerusalem.

1996- Conference on "Information Processing and Management of Uncertainty in Knowledge-Based Systems" (IPMU '96). With Shmilovici, A. and Maimon, O. July. Granada, Spain.

1997- EUROXV-INFORMSXXXIV Joint International Meeting. July. Barcelona, Spain.

1998-The 12th International Conference of the Israel Society for Quality. December, Jerusalem.

2002- The Israeli Conference of Industrial Engineers (a presentation with Diamanta Benson)

2006- The Israeli Conference of Industrial Engineers. Four lectures, some jointly with others.

2006- The 13th International Conference of the Israeli Institute for Quality. Two lectures (one jointly with Prof. Finger and Mrs. Aviva Bashan). Nov., Tel-Aviv.

2007- The 9th National Conference of the Israeli Institute of Quality. Nov.

2007 - AIChE07 Annual Meeting (American Institute of Chemical Engineers). Jointly with Benson-Karhi, D., Brauner, N., Shacham, M.. Nov., Salt-Lake City, USA.

2008- The Israel Conference of Industrial Engineers. Three lectures, some jointly with others.

2008- 17th International Conference of the Israel Society for Quality. With Revital Danoch. November. Jerusalem.

Note: Above list does not include invited presentations (section b above)

(d) Seminar Presentations at Universities and Institutions (not including Israeli universities; a sample)

1993-1994: Center for Quality and Productivity Improvement- University of Wisconsin-Madison (three presentations).

1994 - Department of Statistics. University of Wisconsin-Madison.

1998- Department of Statistics. University of Toronto. October.

2000- Department of Industrial Engineering. Arizona State University. Tempe. April.

2001- Department of Mathematics and Statistics. McMaster University, Hamilton, Canada. Sep.

2002- Haskayne School of Business. University of Calgary. Canada. Sep.

2002- Department of Manufacturing Engineering. Boston University. Nov.

2002- Department of Industrial and Operations Engineering. Michigan University (Ann-Arbor). Nov.

2002- Department of Industrial and Systems Engineering. Rochester Institute of Technology. Dec.

2002- Department of Industrial Engineering. University of Buffalo, State University of New-York (Buffalo). Nov.

2006- Department of Industrial and Systems Engineering. Auburn University. Alabama. March.

Community Work (voluntary)

- Consulting to the organizational committee of **Maccabiah 18** (the “Jewish Olympics”, held in Israel, July 2009); Among other things, in charge of preparing web-based feedback survey for participants and staff (with an undergraduate team of students), and subsequent conducting the survey and the statistical processing of the collected data (after end of Maccabiah).

- **Israel Institution of Standards** (chair of Technical Committee 1816, in charge of developing Israeli national standards in quality and reliability engineering)

- Voluntary weekly distribution of food to needy people via "**Table to Table**", a not-for-profit organization.