HIT - HOLON INSTITUTE OF TECHNOLOGY   Date: 23rd December 2020

Name   Michael   Winokur   Ph.D.   013155957

       (first)   **(last)**   **(acad. degree)**   **No. id. Card**

Faculty   Engineering   *Department*

Home Address   Hatzmaut 3, Kfar Saba 4423939   *Phone No.* 09-7676873   03-9353716 052-3663625

                                         (home)   **(work)**   **(mobile)**

Date/place of birth   9/11/1950   Uruguay   *Date of arrival in Israel*   7/4/1973

                (date)   **(country)**

ZAHAL, (Israeli) Military Service   1984   2004

                              dates (enlisted)   **(discharged)**

Marital Status   Married   *No. of children*   three

Email: mwinokur@iai.co.il

A. EDUCATION

Period of Study (dates)	Name of University (including city and country if not in Israel)	Subject	Degree or Professional License	Date of Award
1970-1972	Faculty of Engineering, University of the Republic, Montevideo, Uruguay	Engineering (basic cycle)		Transferred to Technion in 1973
1973-1976	Technion	Electrical Engineering	B.Sc. *Summa Cum Laude*	8/9/1976
1976-1979	Technion	Nuclear Engineering	M.Sc.	11/9/1979
1979-1982	Imperial College, University of London, England	Electrical and Systems Engineering	Ph.D. + DIC	15/12/1982

Title of Master's Thesis: The Problem of Load Following in the Last Part of the Fuel Cycle in a PWR Reactor

Name of Supervisors: Prof. Amos Notea; Dr. Louis Tepper

Title of Doctoral Dissertation: Emergency State Control of Interconnected Power Systems

Names of Supervisor: Prof. Brian Cory

Name: _____

B. FURTHER STUDIES

Period of Study (dates)	Name of University (including city and country if not in Israel)	Subject	Degree or Professional License	Date of Award
7/1996	The Software Engineering Institute, Carnegie Mellon University, Pittsburgh, USA	Software Process Improvement	Lead Assessor	7/1996
8/1997	Battelle, Columbus, OH, USA	16th Annual International Program in R&D Management	R&D Senior Management	8/1997
12/2000	The Software Engineering Institute, Carnegie Mellon University, Pittsburgh, USA	CMMI Staged Representation	Lead Assessor in the SEI Appraiser Program for a CMM-Based Appraisal for Internal Process Improvement (CBA IPI) - Update	12/2000

C. ACADEMIC AND PROFESSIONAL EXPERIENCE

C1. Academic Experience

Period (dates)	Name of Institution (city, country)	Department	Rank/Function
1974-1979	ORT , Haifa Neve David and IAF Technical School, Israel	13th grade at high school (Yud Gimmel) Technician's degree	Teacher
1975-1979	Technion – Israel Institute of Technology, Haifa, Israel	Electrical, Aeronautical Engineering and Mathematics	Teaching Assistant
1980-1982	Imperial College, London, UK	Electrical Engineering	Teaching Assistant
1990-1993	Tel Aviv University, Tel-Aviv, Israel	School of Management	External Lecturer
1995-2009	Tel Aviv University, Tel-Aviv, Israel	Computer Eng.: Joint EE – Computer Science B.Sc.	Adjunct Senior Lecturer (Gimel)

Name: _____

Name: _____

C. ACADEMIC AND PROFESSIONAL EXPERIENCE, contd.

C1. Academic Experience

Period (dates)	Name of Institution (city, country)	Department	Rank/Function
2009-2010	Afeka Tel-Aviv Academic College of Engineering, Tel-Aviv, Israel	Software Engineering	Project Advisor
1999-2/2018	Technion – Israel Institute of Technology, Haifa, Israel	M.Sc. Systems Eng.	Adjunct Senior Lecturer
2001-present	**HIT – Holon Institute of Technology, Holon, Israel**	**Faculty of Engineering**	

	Rank:
10/2001-7/2002	Adjunct Senior Lecturer
11/2011-1/2013	Adjunct Senior Lecturer
10/2013-present	חבר פרופ' ע"ש (equivalent to Associate Professor)

	Function:
2013-2/2018	Head of Embedded Systems Faculty of Engineering
3/2018-1/6/2018	Deputy Dean, Faculty of Technology Management
1/6/2018-	**Dean, Faculty of Technology Management**

Name: _____

C. ACADEMIC AND PROFESSIONAL EXPERIENCE, contd.

C1. Professional Experience

Period (dates)	Name of Institution (city, country)	Department	Rank/Function
1976	Philips Eindhoven, Holland	Medical Systems Division	Junior Engineer❶
1983-1986	Israel Electric Corporation (IEC)	R&D Division	Senior Engineer❷
1986-1993	Israel Aerospace Industries (IAI)	Corporate R&D, Malat (unmanned air vehicles) and TAMAM (optronics and inertial systems) divisions	Research Engineer❸
1993-2005	Israel Aerospace Industries (IAI)	Corporate R&D	Corporate Director, Embedded Computer Systems❹
1996-11/2017	Israel Aerospace Industries (IAI)	Corporate Operations and Corporate R&D	Coordinator of IAI's participation in the EC Framework research programs❺
2005-11/2017	Israel Aerospace Industries (IAI)	Corporate Operations	Corporate Director - Engineering and Development❻

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❶ Development of electronic drives for X-ray rotary tables positioning.

❷ Working on dynamic analysis and control for the Israel National grid and Power generation plants.

❸ Working in SW development and technology transfer of modern methods and in leading edge projects for local and foreign customers. Principal researcher and applications engineer for the Embedded Computer Systems Analysis method (see ECSAM publications list) developed under the supervision of Dr. J.Z. Lavi in cooperation with Prof. Amir Pnueli and Prof. David Harel of the Weizmann Institute.

❹ Responsible for development, acquisition and technology transfer of methods, and tools for Systems and SW development. In 1993 - established and continuously supervised since then IAI's Software and Systems Process Improvement Program which has enabled the certification of all IAI's development divisions to the highest CMMI Level 5 and ISO9001 certification.

❺ In this period IAI has participated in over 90 projects with a total R&D budget of 1BEuro.

❻ Responsible for development, acquisition and technology transfer of methods, and tools for systems development, project management and engineering throughout IAI, involving a workforce of over 4500 systems, hardware and software engineers, working in over 500 projects involving 900 MU$ yearly R&D budget. Responsibilities included direct involvement in complex systems of systems in the areas of unmanned air vehicles, robotics, satellites, defense missile systems, radars, optronics, communications and executive jet development.

Name: _____

C. ACADEMIC AND PROFESSIONAL EXPERIENCE, contd.

C3. Industrial Training Experience

Period (dates)	Name of Institution (city, country)	Department	Rank/Function
1985-1987	Israel Electric Corporation (IEC)	Power Plant Engineers Training Program	Lecturer[7]
1999-2001	Israel Aerospace Industries (IAI)	MAHUT - Training Division	Program Developer[8]
2002-11/2017	Israel Aerospace Industries (IAI)	MAHUT - Training Division	Program Developer and Supervisor[9]
2008-11/2017	Israel Aerospace Industries (IAI)	MAHUT - Training Division	Developer of course structure[10]

[7] Introduction to Control Systems (45 hours); Power Plant Control (45 hours)
[8] Content integration, course supervision and teaching of selected modules. IAI internal industrial retraining program in Systems Engineering (900 hours) for B.Sc. graduates of engineering disciplines.
[9] Teaching of modules on requirements engineering and development management. Systems Engineering Processes and Tools – 240 hours internal IAI industrial training
[10] Content integration and teaching of selected modules. Project Management - 260 hours internal industrial course.

D. PROFESSIONAL AND PUBLIC ACTIVITIES

Period (dates)	Name of Institution/Conference/ Journal/Exhibitions/Projects (city, country)	Occasion
1988	3rd Israel Conference on Computer Systems and Software Engineering, Tel-Aviv, Israel, June 1988	Member of Technical Committee
1991	5th Israel Conference on Computer Systems and Software Engineering, May 1991	Member of Technical Committee
1995	Israel-Singapore Joint R&D Fund Foundation, Singapore	Member of Israel industrial/ academic delegation headed by Chief Scientist - S. Gleitman
1996	7th Israeli Conference on Computer Systems and Software Engineering, Herzliya, Israel, 12-13 June 1996	Member of Technical Committee

Name: _____

1997-2002	Israel National Standards Institute, Israel	Committee Member of Software Quality Experts

D. PROFESSIONAL AND PUBLIC ACTIVITIES, contd.

Period (dates)	Name of Institution/Conference/ Journal/Exhibitions/Projects (city, country)	Occasion
1998-2000	Israel Chapter of the IEEE Computer Society, Israel	Israel Chapter Chairman
2001-2002	INCOSE_IL, Israeli Chapter of INCOSE the International Council on Systems Engineering, Israel	Founding Member - participation in the establishment of the Israel Chapter
2004	INCOSE, European Conference, Toulouse, France	Organizing Committee Member
2005	3rd International Conference on Systems Engineering, INCOSE_IL,Israel	Conference Chairman
2004-2005	INCOSE_IL, Israeli Chapter of INCOSE the International Council on Systems Engineering, Israel	Israel Chapter Chairman
2006-2008	INCOSE, International Council on Systems Engineering, USA (Tampa, Las Vegas, Washington DC)	Member of International Technical Committee
2008	INCOSE, International Conference, Utrecht, Holland	Coordinator - DANSE one-day workshop
2008	Technion – Israel Institute of Technology, Industrial Engineering, Haifa, Israel	Examiner for Ph.D. candidate Iris Dallal
2002-2004; 2006-2013	International Conference on Systems Engineering, INCOSE_IL, Israel	Technical Committee Member
2006-2013	International SWSTE (Software Science Technology and Engineering) Conference organized by the Israel Chapter of the Computer Society, Israel	Technical Committee Member
2010	IEEE International Conference on Software Science, Technology and Engineering (SWSTE 2010), Herzliya, Israel, 15-16 June 2010	Member of Technical Committee

Name: _____

2012	IEEE International Conference on Software Science, Technology and Engineering, (SWSTE 2012), Herzliya, Israel, 12-13 June 2012	Member of Technical Committee

D. PROFESSIONAL AND PUBLIC ACTIVITIES, contd.

Period (dates)	Name of Institution/Conference/ Journal/Exhibitions/Projects (city, country)	Occasion
2012	The Council for Higher Education of Israel, Israel	Accreditation Committee Member, Afeka, M.Sc. in Engineering and Management of Service Systems
2013	The Council for Higher Education of Israel, Israel	Accreditation Committee Member, Afeka M.Sc. in Engineering and Management of Infrastructure Systems
2013	1st Annual Israel Embedded Systems Symposium, HIT, 7 April 2013	Symposium Chairman
2014	The Council for Higher Education of Israel, Israel	Progress Review Committee Member, Afeka, M.Sc. in Engineering and Management of Service Systems
2014	2nd Annual Israel Embedded Systems Symposium, HIT, 20 May 2014	Symposium Chairman
2015	The Council for Higher Education of Israel, Israel	Progress Reviewer, Afeka, M.Sc. in Engineering and Management of Infrastructure Systems
2016	3rd Annual Israel Embedded Systems Symposium, HIT, Israel, 30 May 2016	Symposium Chairman
1999 to date	Technion – Israel Institute of Technology, M.Sc. in Systems Engineering, Haifa, Israel	Member, Industrial Steering Committee
2017	4th Annual Israel Embedded Systems Symposium, HIT, Israel, 21 June 2017	Symposium and Technical Committee Chairman
2018	The 7th Mediterranean Conference on Embedded Computing (MECO2018), Budva, Montenegro, 10-14 June 2018	Session Chairman
2019	INCOSE IL 2019 – The 10th Israeli International Conference on Systems Engineering, Herzliya, Israel, 26-28 March 2019	Member of Program Committee

Name: _____

2019	SASE 2019 – Argentine Symposium on Embedded Systems, National University of Rosario, Santa Fe, Argentina, 17-19 July 2019	Official Academic Guest – one of three distinguished guests honored by the University

Name: _____
D. <u>PROFESSIONAL AND PUBLIC ACTIVITIES</u>, contd.

Period (dates)	Name of Institution/Conference/ Journal/Exhibitions/Projects (city, country)	Occasion
2019	Joint HIT-UNSAM-UBP (Holon Institute of Technology-National University of San Martin-The University Blaise Pascal) Workshop: Professional Updating in Embedded Systems – Challenges in Present Day Technology Management, National University of San Martin, Buenos Aires, Argentina, 22 July 2019	Organizer; Member of Program Committee
2020	The 21st International Conference on Industrial Technology (ICIT 2020), Buenos Aires, Argentina, 26-28 February 2020	Organizer – Special session on: Technology development and society – Opportunities and conflicts; Organizer and Chair – Special session on: Agro industry 4.0
2020	Meeting of Memorandum of Understanding – MoU between HIT and UNSAM, National University of San Martin, Bueno Aires, Argentina, 28 February 2020	HIT representative – Future joint seminar of HIT-UNSAM to take place April 2021

E. ACADEMIC AND PROFESSIONAL AWARDS
   (Prizes, fellowships, scholarships, etc.)

Year	Name of Institution (city, country)	Occasion
1974, 1975	Technion – Israel Institute of Technology, Haifa, Israel	President's honors list
1976	Technion – Israel Institute of Technology, Israel	B.Sc. Summa Cum Laude award
1979-1982	British Council Fellowship, UK	British Council Fellowship Ph.D. Grant
1980-1982	Bnei Brith, London, UK	Ph.D. Scholarship
1991	Israel Aerospace Industries, Israel	Distinguished Employee Award
2007	INCOSE_IL, Israel	Certification of Recognition - Founding Member
2014	Israel Aerospace Industries, Israel	CEO's Award for Engineering and Development
2017	Israel Aerospace Industries, Israel	Executive VP of Operations' Award for Excellence in Work Performance

Name: _____

E1. RESEARCH GRANTS

Year	Name of Institution (city, country)	Occasion/Amount
1996-1998	European Commission PF4 Project – Sole partner: Israel Aerospace Industries	TESTART: Automatic Software Test and Requirements Management Process, Leader: M. Winokur Principal Investigators: A. Grinman, I. Yosha, R. Gallant, 400 K$
1997-1999	European Commission FP4 Project – Joint project: National Physical Laboratory (N .Bevan), Teddington, UK and Israel Aerospace Industries	TRUMP: Usability of Software Intensive Systems, Principal Investigators: M. Winokur, B. Spitz, 250 K$
1999-2002	Office of the Israel Chief Scientist, Ministry of Economy, Israel	SW Re-Use Magnet Project (with five Israeli partners)
1999-2004	European Commission FP4 and FP5 Projects – 10 partners	SafeAir 1 and SafeAir 2: SW/HW Development for Critical Systems, Application Leader, approximately 5 M$
2006-2010	European Commission FP6 Project – 16 partners	SPEEDS: Speculative and Exploratory Design of Embedded Computer Systems, Technical Leader, 19 M$
2010-2013	European Commission FP7 Project – 7 partners	PINCETTE: Validating changes and upgrades in networked software Total cost: 4,173,406 EUR
2010-2014	European Commission FP7 Project	AMISA – Architecting Manufacturing Industries and Systems for Adaptability
2010-2014	European Commission FP7 Project – 7 partners	SPRINT: Software Platform for Integration of Engineering and Things, Application Manager, 4 M$
2011-2015	European Commission FP7 Project – 12 partners	DANSE – Designing for Adaptability and Evolution in System of Systems Engineering Technical Leader, 13.5 M$

F. MEMBERSHIP IN PROFESSIONAL SOCIETIES

Year	Society (country)
1986-present	Senior Member, IEEE and IEEE Computer Science Society - International
2000-present	Member, INCOSE, International Council on Systems Engineering – International

Name: _____

G. STUDENTS SUPERVISED BY CANDIDATE

HIT – Holon Institute of Technology does not currently have an accreditation for granting research theses (M.Sc.) or Dissertation (Ph.D.) degrees

G1. DOCTORAL STUDENTS

Year	Name of Student	Title of Thesis	Name of Academic Institution
	NONE		

G2. M.A./M.Sc. STUDENTS *(please indicate if degree is with "thesis" or "final project")*

Year	Name of Student	Title of Thesis	Name of Academic Institution
1998	Guy Helman	Software Methods and Modeling for Embedded Systems	Tel-Aviv University, Computer Science Dept. (with Prof. A. Yehudai)

Final project: Graduates, Systems Engineering, Technion

Final assignment: Graduates, Technology Management, HIT

Name: _____

Courses Taught at Academic Institutions

Name of Course	**Institution**

- Specification and Development of Embedded Computer Systems①   HIT – Holon Institute of Technology
- Development Tools for Embedded Computer Systems①
- Software Engineering for Systems Engineers①
- Engineering Design 1②
- Systems Engineering for Technology Intensive Products②

Graduate: Technion – Israel Institute of Technology
- Embedded Computer Systems Specification and Analysis①

Undergraduate:
- Linear Differential Equations③
- Power Systems③
- Power Systems Lab.③
- Control Systems 1③
- Control Systems Lab.③
- Control Systems③

Graduate: Tel-Aviv University
- Software Specification and Analysis for Embedded Systems④

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① New course, developed and taught by Dr. Winokur

② Updated by Dr. Winokur

③ Teaching Assistant

④ Computer Science and Computer Engineering joint degree – New course developed and taught by Dr. Winokur

Name: _____

PUBLICATIONS

C. REFEREED ARTICLES

1. M. Winokur, D. Blank, L. Tepper
    A method of optimization of flux and xenon fluctuations in a nuclear reactor
    IEEE Trans. on Nuclear Science, NS-26(1), 1979 (791-795)
    JCR Impact Factor; Journal Impact: 1.44; Q2; Citations: 8

2. M. Winokur, L. Tepper
    Extension of load follow capability of a PWR reactor by optimal control
    IEEE Trans. on Nuclear Science, NS 31(2), 1984 (932-939)
    JCR Impact Factor; Journal Impact: 1.44; Q2; Citations: 6

3. M. Winokur, B.J. Cory
    Identification of strong and weak areas for emergency state control
    IEEE Power Engineering Review, PER-4(6), 1984 (62-63)
    RG Journal Impact Factor: 1.58; Q3 (latest data from 2005); Citations: 2 patents

4. M. Winokur, B.J. Cory
    Identification of strong and weak areas for emergency state control
    IEEE Trans. on Power Apparatus and Systems, PAS-103(6), 1984 (1486-1492)
    JCR Impact Factor; Journal Impact: 5.255; Q1; Citations: 4

5. A. Shaked, M. Winokur
    Harnessing FMI to improve bottom-up coordination in SoS design
    The Voice of the Systems, No.16, 2015 (32-39)

6. S. Amador Nelke, M. Winokur
    Introducing IoT subjects to an existing curriculum
    IEEE Design & Test, 37(6), 2020 (24-30)
    Special Issue on Education for Cyber Physical Systems
    Journal Impact Factor: 3.022; Q2

D. CHAPTERS IN BOOKS

1. J.Z. Lavi (Loeb), M. Winokur
    Embedded computer systems requirements analysis & specification – An industrial course
    in: *Software Engineering Education*
    Lecture Notes in Computer Science, 327, 1988 (81-105)
    [ISBN: 978-0-387-34779-0]
    Impact Factor: 0.872; Q1; Citations: 4 (1999)

Name: _____

D.   Chapters in books, contd.

2.   J.Z. Lavi, M. Winokur
     Development of a method driven CAS^{2}E tool
     in: *Proc. Software Development Environments and CASE Technology European Symp*
     Lecture Notes in Computer Science, 509, 1991 (44-52)
     Königswinter, Germany, 17-19 June 1991
     [ISBN: 978-3-540-54194-3]
     Impact Factor: 0.872*;* Q1 (1999)

3.   S. Amador Nelke, M. Winokur
     Introducing IoT subjects to an existing curriculum. An ongoing experience at the
     Faculty of the Technology Management – HIT
     In: *Cyber Physical Systems. Model-Based Design*
     R. Chamberlain, W. Taha, M. Törngren (Eds.)
     Lecture Notes in Computer Science book series, Vol.11615 (193-196)
     [8th Int'l. Workshop (CyPhy 2018), and 14th Int'l. Workshop (WESE 2018)
     Turin, Italy, 4-5 October 2018 (revised selected papers)]
     Impact Factor: 1.17*;* Q2 (2019)

E.   PAPERS PRESENTED AT SCIENTIFIC MEETINGS PUBLISHED IN PROCEEDINGS

1.   L. Tepper, M. Winokur
     Optimal control of a PWR reactor to extend load follow capability
     8th IFAC World Congress
     Kyoto, Japan, 24-28 August 1981 (255-262)

2.   M. Winokur, B.J. Cory
     A method for multiple contingency evaluation in emergencies
     MELECON '83 Conf.
     Athens, Greece, 24-26 May 1983

3.   M. Winokur, B.J. Cory
     Decision theory strategies for control of interconnected power systems in emergencies
     CIGRE-IFAC Symp. - Int'l. Conf. on Large High Voltage Electric Systems
     Florence, Italy, 26-28 September 1983

4.   M. Winokur, B.J. Cory
     Identification of strong and weak areas for emergency state control
     IEEE/Power Engineering Society 1984 Winter Meeting
     Dallas, USA, 29 January-3 February 1984

5.   M. Winokur, A. Pe'er
     Unit response improvement to enhance security of isolated power system
     2nd Int'l. Conf. on Power System Monitoring and Control
     Durham, UK, July 1986

6.   M. Winokur, B.J. Cory
     Voltage collapse prevention in interconnected power systems
     9th Power Systems Computation Conf.
     Portugal, September 1987 (337-344)

7.   J.Z. Lavi, M. Winokur
     Embedded computer systems requirements analysis and specification – An industrial course
     SEI Conf. on Software Engineering Education
     Fairfax, Virginia, USA, 28-29 April 1988 (81-105)

Name: _____

E.   Papers presented at scientific meetings published in proceedings, contd.

8.   J.Z. Lavi, M. Winokur, A. Dagan, R. Rokach
     Multi level analysis of complex embedded computer systems
     3rd Israel Conf. on Computer Systems and Software Engineering
     Tel-Aviv, Israel, April 1988 (86-95)
     Citations: 5

9.   J.Z. Lavi, M. Winokur
     ECSAM – A method for the analysis of complex embedded computer systems and their software
     Structured Techniques Association Conf. (STA5)
     Chicago, USA, 8-11 May 1989 (50-63)
     Citations: 13

10. M. Winokur, J.Z. Lavi, I. Lavi, R. Oz
     Requirements analysis and specification of embedded systems using ECSAM – A case study
     CompEuro '90, IEEE Int'l. Conf. on Computer Systems and Software Engineering
     Tel-Aviv, Israel, 8-10 May 1990 (80-89)
     Citations: 4

11. Y. Malchi, M. Winokur, D. Kottick
     Long term simulation of the Israel power system dynamic response - A case study
     3rd Int'l. Conf. on Power System Monitoring and Control
     London, UK, 1991 (62-67)
     Citation: 1

12. D. Kottick, M. Blau, M. Winokur
     An introduction to dynamic security of supply in the Israeli power system
     17th Conv. of Electrical and Electronic engineers in Israel
     1991 (338-341)
     Citations: 4

13. M. Winokur, A. Engel, R. Gallant
     A concurrent approach to systems development and requirements specifications – A case study
     5th Israel Conf. on Computer Systems and Software Engineering
     May 1991 (13-19)

14. J.Z. Lavi, M. Winokur, R. Gallant, J. Kudish
     The reuse of generic subsystem specification in multisystem CBS development
     Proc. 6th Israel Conf. on Computer Systems and Software Engineering
     Tel-Aviv, Israel, June 1992 (49-55)

15. J. Kudish, J.Z. Lavi, M. Winokur, R. Gallant
     Architectural description of computer based systems and their software
     Proc. 6th Israel Conf. on Computer Systems and Software Engineering
     Tel-Aviv, Israel, June 1992 (83-88)

16. M. Winokur, J. Kudish
     Model-based requirements management with ECSAM
     I-Logix Second Int'l. Group Conf.
     Boston, Mass., USA, 27-28 October 1993

17. M. Winokur, I. Lavi, J.Z. Lavi, J. Kudish
     Software process improvement at IAI
     The 6th Software Engineering Process Group National Meeting

Name: _____
Dallas, Texas, USA, 25-28 April 1994
Section "Lessons Learned I"(1-9)

E.   Papers presented at scientific meetings published in proceedings, contd.

18. M. Winokur, I. Lavi
     Concurrent technology and process improvement
     Proc. 4th IEEE Computer Society Workshop on Software Engineering Technology Transfer
     Dallas, Texas, USA, 28-29 April 1994 (217-222)

19. M. Winokur, R. Gallant
     Embedded computer systems analysis and modeling – The ECSAM approach
     16th Int'l. Conf. on Software Engineering (ICSE 16)
     Sorrento, Italy, 16-21 May 1994

20. M. Winokur, I. Lavi, A. Bar-David
     Software measurement at Israel Aircraft Industries
     The 10th Int'l. Quality Conf.
     Jerusalem, Israel, 17-19 November 1994 (288-294) [in Hebrew]

21. R. Gallant, M. Winokur, J. Kudish
     Tool and method reciprocity: A case study in requirements management
     Proc. 7th Israeli Conf. on Computer Systems and Software Engineering
     Herzliya, Israel, 12-13 June 1996 (109-118)
     Citations: 3

22. M. Winokur, I. Lavi, S. Glick
     Two-tiered organization process focus implementation
     1998 European SEPG Conf.
     London, UK, June 1998 (C405-C413)

23. M. Winokur, A. Grinman, I. Yosha, R. Gallant
     Measuring the effectiveness of introducing new methods in the software development process
     24th Euromicro Conf.
     Stockholm, Sweden, August 1998 (800-807)
     Citations: 3

24. I. Lavi, M. Winokur, R. Gallant
     Results of a software process improvement program in a large corporation
     The 14th Int'l. Quality Conf.
     Jerusalem, Israel, December 1998

25. A. Engel, J. Hurvitz, M. Winokur
     Systems requirements management in a multi-national environment – A case study
     Fifth Annual Int'l. Symp. Systems Engineering '99
     London, UK, 1-2 November 1999

26. D. Goshen-Meskin, V. Gafni, M. Winokur
     SafeAir – An integrated development environment and methodology
     INCOSE Int'l. Symp.
     Melbourne, Australia, 1-5 July 2001, 11(1) (798-806)
     Citations: 10

27. A. Engel, M. Winokur, D. Goshen, I. Geva
     Improving the systems engineering process at Israel Aircraft Industries – A case study
     INCOSE Int'l. Symp. 2001
     Melbourne, Australia, 1-5 July 2001, 11(1), 2001 (824-829)

Name: _____

E. **Papers presented at scientific meetings published in proceedings, contd.**

28. A. Engel, M. Winokur, G. Döhmen, M. Enzmann
     Assumptions/promises – Shifting the paradigm in systems-engineering
     18th Annual Int'l. Symp. of the Int'l. Council on Systems Engineering and
     6th Biennial European Systems Engineering Conf. (INCOSE IS 2008) – Half Day Tutorial
     Utrecht, Holland, 15-19 June 2008, 18(1), (58-78)
     Citations: 9

29. M. Winokur, S. Graf, B. Josko
     Contract-based systems design, The SPEEDS approach
     18th Annual Int'l. Symp. of the Int'l. Council on Systems Engineering and
     6th Biennial European Systems Engineering Conf. (INCOSE IS 2008) – Half Day Tutorial
     Utrecht, Holland, 15-19 June 2008, 18(1), (2477-2554)
     Citation: 1

30. M. Winokur
     Embedded systems: Critical technology for systems of systems
     ARTEMIS Conf. on Strategies for Embedded Computing Research
     Vienna, Austria, 18-19 March 2010 **[invited speaker]**

31   E. Gery, M. Winokur, N. Mashkiff
     Using jazz for systems engineering relationship hub – A case study
     Innovate 2010
     Orlando, FL, USA, 6-10 June 2010

32   M. Winokur, R. Goldberg, K. Andreas, S. Matthews, M. Nir
     Case study: More complex not more complicated
     Innovate 2011
     Orlando, FL, USA, 5-9 June 2011

33. M. Winokur, A. Keis, H. Broodney
     Internet of systems engineering – A joint initiative by IBM, EADS and IAI to create a jazz-based
     collaboration platform for future designers
     Innovate 2012, Orlando, FL, USA, 3-7 June 2012

34. M. Winokur
     Designing for adaptability and evolution in systems of systems engineering: The DANSE Project
     IEEE SOSE 2012 7th Int'l. Conf. on System of Systems Engineering
     Genoa, Italy, 16-19 July 2012

35. M. Winokur
     DANSE – **D**esigning for **A**daptability and evolution in **S**ystem of systems **E**ngineering
     Gordon Center Systems Engineering Symp. Technion
     Haifa, Israel, 17 July 2013 **[invited speaker]**

36. M. Winokur
     Cross tool/joint simulation in the DANSE project
     INCOSE_IL 6th Int'l. Conf. – Systems Engineering Current and Future Challenges
     Herzliya, Israel, 24-25 March 2015 **[invited speaker]**

37. M. Winokur, A. Modai, Z. Lando
     Seamless requirements flow down from system to software components in embedded systems
     Proc. 21st IEEE Real-Time and Embedded Technology and Applications Symp.
     Seattle, Washington, USA, 13-16 April 2015 (19-20) [work-in-progress session]

Name: _____

E.   Papers presented at scientific meetings published in proceedings, contd.

38. N. Thirer, M. Winokur
     Considerations for FPGA based embedded control systems design
     2015 6th Int'l. Conf. on Advanced Computer Control
     Beijing, China, 11-12 July 2015

39. M. Winokur
     Challenges of starting a new embedded systems specialty in an established EE dept.
     2015 Workshop on Embedded and Cyber-Physical Systems Education (WESE)
     Amsterdam, Netherland, 8 October 2015 **[invited keynote speaker]**

40. M. Winokur, Z. Lando, A. Modai
     Seamless requirements flow down from system to software components
     in a cyber physical system
     Proc. 7th Mediterranean Conf. on Embedded Computer (MECO '2018)
     Budva, Montenegro, 10-14 June 2018 (62-65)

41. A. Benis, S. Amador Nelke, M. Winokur
     Upgrading industrial engineering and management curriculum to industry 4.0
     Proc. IEEE Int'l. Conf. on Industrial Technology (ICIT 2020)
     Buenos Aires, Argentina, 26-28 February 2020 (355-359)
     [DOI: 10.1109/ICIT45562.2020.9067243]

42. B. Bulmash, M. Winokur
     Entrepreneurial passion and turnover intentions: The role of intrapreneurship
     opportunities and risk tolerance
     Proc. IEEE Int'l. Conf. on Industrial Technology (ICIT 2020)
     Buenos Aires, Argentina, 26-28 February 2020 (1205-1209)
     [DOI: 10.1109/ICIT45562.2020.9067259]

43. D. Blank, M. Winokur
     The digital era techno-economic paradigm
     Proc. IEEE Int'l. Conf. on Industrial Technology (ICIT 2020)
     Buenos Aires, Argentina, 26-28 February 2020 (1210-1214)
     [DOI: 10.1109/ICIT45562.2020.9067184]

F.   PAPERS PRESENTED AT SCIENTIFIC MEETINGS (UNPUBLISHED)

5/1984   Energy 84 International Congress, Tel-Aviv, Israel
            Oral presentation: *Voltage collapse prevention in isolated power systems*
                                  (M. Winokur)

6/1991   Software Development Environments and CASE Technology European
            Symposium, Königswinter, Germany, 17-19 June 1991
            Oral presentation: *Development of a method driven CAS^{2}E tool*
                                  (J.Z. Lavi, M. Winokur)

10/1992   First International I-Logix User Group Meeting, Boston, Mass., USA
            Oral presentation: *Use of ECSAM modeling in the statemate environment
                                  –The IAI experience*
                                  (M. Winokur)

Name: _____

F.   Papers presented at scientific meetings (unpublished), contd.

12/1992   IEEE International Workshop on Computer Based Systems Engineering, London, UK
          Oral presentation: *Air traffic computer control system specification*
                               (Z. Lavi, M. Winokur, J. Kudish, R. Gallant)

11/1993   SQA Second Symposium, Tel-Aviv, Israel
          Oral presentation: *Preparing a software process improvement program – Lessons learned*
                               (M. Winokur, J. Kudish, J.Z. Lavi) **[in Hebrew]**

3/1997   The 8th SEPG USA National Meeting, San Jose, CA, USA
          Oral presentation: *Approaches to corporate-level software engineering process group activities*
                               (M. Winokur) **[invited speaker]**

5/2002   EC Consultation Day – Technologies and Engineering for SW, Systems and Services, Brussels, Belgium
          Oral presentation: *Integrated development environment*
                               (M. Winokur)

7/2005   USA-EU Workshop, Paris, France
          Oral presentation: *Component-based engineering for embedded systems*
                               (M. Winokur)

6/2010   IEEE International Conference on Software Science, Technology and Engineering (SWSTE 2010), Herzliya, Israel, 15-16 June 2010
          Closing panel: *Impact of smarter devices and broadband capacity*
                           (M. Winokur)

9/2011   International Conference on Systems Engineering (INCOSE-IL), Workshop, Herzliya, Israel
          Oral presentation: *SPRINT R&D project presentation*
                               (M. Winokur)

6/2012   IEEE International Conference on Software Science, Technology and Engineering, (SWSTE 2012), Herzliya, Israel, 12-13 June 2012
          Panel: *Looking back 10 years from now*
                   (M. Winokur)

7/2012   22nd Annual International Symposium of the International Council on Systems Engineering (INCOSE 2012), and the 8th Biennial European Systems Engineering Conference 2012 (EuSEC 2012), Rome, Italy, 9-12 July 2012
          Closing panel: *Systems of systems research*
                           (M. Winokur)

2/2013   Conference for Teaching Engineering Programs in Israel – New Horizons – From Employment to Career, Kinneret Academic College, Galilee, Israel, 14 February 2013
          Oral presentation: *Continuity engineering between engineering systems to programs*
                               רציפות הנדסית בין הנדסת מערכת לתוכנה
                               (M. Winokur) **[invited speaker]**

Name: _____

F. Papers presented at scientific meetings (unpublished), contd.

6/2015	IBM BusinessConnect 2015 – Seize the Moment, Tel-Aviv, Israel, 16 June 2015

                    Oral presentation: IAI – A development home for systems of systems at the leading edge of world technology

תעשייה אווירית: בית פיתוח מערכות על בחזית הטכנולוגיה העולמית

(M. Winokur) **[invited speaker]**

2000-present   Yearly Systems Engineering Symposium (in memory of Yossi Levin), jointly organized by Rafael, IAI and the Technion, Israel

2006-present   ARTIST2, European Network of Excellence on Embedded Systems Design – industrial participant

6/2017   4th Annual Israel Embedded Systems Symposium, HIT, Israel, 21 June 2017 - Summary and concluding remarks

10/2018   Model-Based Design of Cyber Physical Systems (CyPhy'18) and Workshop on Embedded and Cyber-Physical Systems Education (WESE18), in conjunction with ESWEEK 2018, Torino, Italy, 4-5 October 2018
                    Oral presentation: *Introducing IoT subjects to an existing curriculum. An ongoing experience*
(M. Winokur, S. Amador Nelke)

3/2019   The 10th Annual Conference of AEAI for Intelligent Transportation Systems (ITS), Tel-Aviv, Israel, 12 March 2019
                    Oral presentation: *Systems engineering approach for managing transportation systems*
(M. Winokur, G. Albert)

4/2019   21st International Conference on Industrial Engineering and Management, Airport City, Israel, 1 April 2019
                    Oral presentations: *Lab cluster for industrial engineering and technology management*
(A. Benis, S. Amador Nelke, **M. Winokur** - presenter)
Introducing IOT concepts to industrial engineering students
(S. Amador Nelke, M. Winokur)

7/2019   SASE 2019 – Argentine Symposium on Embedded Systems, National University of Rosario, Santa Fe, Argentina, 17-19 July 2019
                    Oral presentation: *Model based design of embedded systems – Theory and industrial reality*
(M. Winokur) **[invited keynote speaker]**

7/2019   Joint UNSAM-HIT-UBP Workshop, National University of San Martin, Buenos Aires, Argentina, 22 July 2019
                    Oral presentation: *Using models for safe design of embedded systems*
(M. Winokur)

Name: _____

H. OTHER PUBLICATIONS

H1. REPORTS

1. A. Peer, M. Winokur
   Dynamic response of generating units
   Israel Electric Corp.
   September 1988 (310 pages)

2. N. Ben-Dov, M. Winokur, et al.
   Characterization of systems of systems
   DANSE Project, September 2012

3. M. Winokur, N. Ben-Dov, R. Goldberg, et al.
   DANSE systems of systems methodology
   DANSE Project, February 2015 (180 pages)✳

H. OTHER PUBLICATIONS

H2. ABSTRACTS

1. מ. וינוקור, ג. אלברט
   יישום גישה של הנדסת מערכות בניהול מערכות תחבורה
   הכנס השנתי ה-10 של האיגוד הישראלי למערכות תבוניות לתחבורה
   ישראל, 12 מרץ 2019

   M. Winokur, G. Albert
   Systems engineering approach for managing transportation systems
   The 10th Annual Conf. of AEAI for Intelligent Transportation Systems (ITS)
   Israel, 12 March 2019

2. A. Benis, S. Amador Nelke, M. Winokur
   Lab cluster for industrial engineering and technology management
   21st Int'l. Conf. on Industrial Engineering and Management
   Airport City, Israel, 1 April 2019

3. S. Amador Nelek, M. Winokur
   Introducing IOT concepts to industrial engineering students
   21st Int'l. Conf. on Industrial Engineering and Management
   Airport City, Israel, 1 April 2019

✳　M. Winokur – lead contributor and publication editor
　http://danse-ip.eu/home/deliverables.html