CURRICULUM VITAE

1. Personal Details

Permanent Home Address: Hatzmaut 3, Kfar Saba 4423939, Israel

Office Telephone Number: 03-5026894

Cellular Phone: 052-3663625

Electronic Address: michaelw@hit.ac.il

2. Higher Education

A. Undergraduate and Graduate Studies

Period of Study	Name of Institution and Department	Degree	Year of Approval of Degree
1979-1982	Imperial College University of London, England	Ph.D. + DIC in Electrical and Systems Engineering❋	15/12/1982
1976-1979	Technion – Israel Institute of Technology	M.Sc. in Nuclear Engineering✱	11/9/1979
1973-1976	Technion – Israel Institute of Technology	B.Sc. in Electrical Engineering **Summa Cum Laude**	8/9/1976
1970-1972	Faculty of Engineering, University of the Republic, Montevideo, Uruguay	Engineering (basic cycle)	Transferred to Technion in 1973

❋ Ph.D. Dissertation: Emergency state control of interconnected power systems (Supervisor: Prof. Brian Cory)

✱ Thesis: The problem of load following in the last part of the fuel cycle in a PWR reactor
(Supervisors: Prof. Amos Notea; Dr. Louis Tepper) **[Grade: Excellent]**

B. Further Studies

Period of Study	Name of University	Subject	Degree or Professional Licence	Date of Award
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

B. Further Studies, contd.

Period of Study	Name of University	Subject	Degree or Professional Licence	Date of Award
8/1997	Battelle, Columbus, OH, USA	16th Annual International Program in R&D Management	R&D Senior Management	8/1997
7/1996	The Software Engineering Institute, Carnegie Mellon University, Pittsburgh, USA	Software Process Improvement	Lead Assessor	7/1996

3. Academic Ranks and Tenure in Institutes of Higher Education

Dates	Name of Institution and Department	Rank/Position
1/2/2024-present	HIT – Holon Institute of Technology, Faculty of Engineering; Faculty of Industrial Engineering and Technology Management, Holon, Israel	Associate Professor of Practice *with tenure*
10/2019-1/2/2024	HIT – Holon Institute of Technology, Faculty of Engineering; Faculty of Industrial Engineering and Technology Management, Holon, Israel	Senior Lecturer
3/2018-present	HIT – Holon Institute of Technology, Faculty of Industrial Engineering and Technology Management, Holon, Israel	Head – Systems Engineering
6/2018-9/2019	HIT – Holon Institute of Technology, Faculty of Industrial Engineering and Technology Management, Holon, Israel	Dean
3/2018-6/2018	HIT – Holon Institute of Technology, Faculty of Industrial Engineering and Technology Management, Holon, Israel	Deputy Dean
10/2013-9/2019	HIT – Holon Institute of Technology, Faculty of Engineering; Faculty of Industrial Engineering and Technology Management, Holon, Israel	Equivalent to Associate Professor
10/2013-2/2018	HIT – Holon Institute of Technology, Faculty of Engineering	Head – Embedded Systems

3. Academic Ranks and Tenure in Institutes of Higher Education, contd.

Dates	Name of Institution and Department	Rank/Position
11/2011-1/2013; 10/2001-7/2002	HIT – Holon Institute of Technology, Faculty of Engineering; Faculty of Industrial Engineering and Technology Management, Holon, Israel	Adjunct Senior Lecturer
1999-2/2018	Technion – Israel Institute of Technology, Haifa, Israel	Adjunct Senior Lecturer: M.Sc. Systems Eng.
2009-2010	Afeka Tel-Aviv Academic College of Engineering, Dept. Software Engineering, Tel-Aviv, Israel	Project Advisor
1995-2009	Tel Aviv University, Dept. Computer Engineering, Tel-Aviv, Israel	Adjunct Senior Lecturer (Gimel): Joint EE – Computer Science B.Sc.
1990-1993	Tel Aviv University, School of Management, Tel-Aviv, Israel	External Lecturer
1980-1982	Imperial College, Dept. Electrical Engineering, London, UK	Teaching Assistant
1975-1979	Technion – Israel Institute of Technology, Dept. Electrical, Aeronautical Engineering and Mathematics, Haifa, Israel	Teaching Assistant
1974-1979	ORT , Haifa Neve David and IAF Technical School, Israel	Teacher: 13th grade at high school (Yud Gimmel) Technician's degree

4. Scholarly Positions and Activities outside the Institution

a. Committees:

2015	Progress Review, Afeka, M.Sc. in Engineering and Management of Infrastructure Systems - The Council for Higher Education of Israel, Israel
2014	Progress Review Committee Member, Afeka, M.Sc. in Engineering and Management of Service Systems - The Council for Higher Education of Israel, Israel
2013	Accreditation Committee Member, Afeka M.Sc. in Engineering and Management of Infrastructure Systems - The Council for Higher Education of Israel, Israel
2012	Accreditation Committee Member, Afeka, M.Sc. in Engineering and Management of Service Systems - The Council for Higher Education of Israel, Israel
2006-2008	Member of International Technical Committee - INCOSE, International Council on Systems Engineering, USA (Tampa, Las Vegas, Washington DC)
1999-present	Member, Industrial Steering Committee - Technion – Israel Institute of Technology, M.Sc. in Systems Engineering, Haifa, Israel

4. Scholarly Positions and Activities outside the Institution

a. Committees:

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

b. Chapters:

2004-2005	Israel Chapter Chairman - INCOSE_IL, Israeli Chapter of INCOSE the International Council on Systems Engineering, Israel
2001-2002	Founding Member - participation in the establishment of the Israel Chapter, INCOSE_IL, Israeli Chapter of INCOSE the International Council on Systems Engineering, Israel
1998-2000	Israel Chapter Chairman - Israel Chapter of the IEEE Computer Society, Israel

c. Academic Guest:

17-19/7/2019	Official Academic Guest – one of three distinguished guests honored by the University SASE 2019: Argentine Symposium on Embedded Systems, National University of Rosario, Santa Fe, Argentina,

d. Conferences:

2006-present	Industrial participant – ARTIST2, European Network of Excellence on Embedded Systems Design
2000-present	Yearly Systems Engineering Symposium (in memory of Yossi Levin), jointly organized by Rafael, IAI and the Technion, Israel

e. Miscellaneous:

2008	Examiner for Ph.D. candidate Iris Dallal, Technion – Israel Institute of Technology, Industrial Engineering, Haifa, Israel
1995	Member of Israel industrial/academic delegation headed by Chief Scientist - S. Gleitman, Israel-Singapore Joint R&D Fund Foundation, Singapore

5. Participation in Scholarly Conferences

a. Active Participation in Israel

Date	Name of Conference	Place of Conference	Subject of Lecture/Discussion	Role
*23/12/2025	Symposium: Changes in the Role of Systems Engineering in the AI Era	HIT, Holon, Israel		Opening Speech together with Prof. Eduard Yakubov and Prof. Ehud Menipaz; Organizer's summary and concluding remarks
*18-19/11/2025	The 2025 Israeli International Conference on Systems Engineering; Systems Engineering with Unforeseeable Challenges – INCOSE IL 2025	Herzliya, Israel		Member of Program Committee

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*   Since last promotion

5. Participation in Scholarly Conferences

a. Active Participation in Israel

Date	Name of Conference	Place of Conference	Subject of Lecture/Discussion	Role
14/9/2022	Annual INCOSE_IL Conference on Systems Engineering: The Full Life Cycle of Systems Engineering	Herzliya, Israel		Member of Program Committee
16-17/3/2021 [online]	The 11th Israeli International Conference on Systems Engineering: Systems Engineering in the Age of Disruptions and Transformations	Israel		Member of Program Committee; Session Chair
2/6/2020	Technology and Society in the Digital Age - Challenges and Opportunities	HIT, Holon, Israel		Symposium Chair
26-28/3/2019	INCOSE IL 2019 – The 10th Israeli International Conference on Systems Engineering	Herzliya, Israel		Member of Program Committee
21/6/2017	4th Annual Israel Embedded Systems Symposium	HIT, Holon, Israel		Symposium and Technical Committee Chairman; Summary and concluding remarks
30/5/2016	3rd Annual Israel Embedded Systems Symposium	HIT, Holon, Israel		Symposium Chairman
20/5/2014	2nd Annual Israel Embedded Systems Symposium	HIT, Holon, Israel		Symposium Chairman
7/4/2013	1st Annual Israel Embedded Systems Symposium	HIT, Holon, Israel		Symposium Chairman
12-13/6/2012	IEEE International Conference on Software Science, Technology and Engineering, (SWSTE 2012)	Herzliya, Israel	Looking back 10 years from now (M. Winokur)	Panel; Member of Technical Committee

5. **Participation in Scholarly Conferences, contd.**

a. **Active Participation in Israel**

Date	Name of Conference	Place of Conference	Subject of Lecture/Discussion	Role
15-16/6/2010	IEEE International Conference on Software Science, Technology and Engineering (SWSTE 2010)	Herzliya, Israel	Impact of smarter devices and broadband capacity (M. Winokur)	Closing panel; Member of Technical Committee
2006-2013	International SWSTE (Software Science Technology and Engineering) Conference organized by the Israel Chapter of the Computer Society	Israel		Member of Technical Committee
2006-2013; 2002-2004	International Conference on Systems Engineering, INCOSE_IL	Israel		Member of Technical Committee
2005	3rd International Conference on Systems Engineering, INCOSE_IL	Israel		Conference Chairman
30/3-3/4/1998	International Conference and Workshop: Engineering of Computer Based Systems	Jerusalem, Israel		Program Chair; Member of Steering Committee
5/1991	5th Israel Conference on Computer Systems and Software Engineering	Israel		Member of Technical Committee
6/1988	3rd Israel Conference on Computer Systems and Software Engineering	Tel-Aviv, Israel		Member of Technical Committee

5. **Participation in Scholarly Conferences, contd.**

b. **Active Participation Abroad**

Date	Name of Conference	Place of Conference	Subject of Lecture/Discussion	Role
*23-26/3/2025	IX IEEE World Engineering Education Conference (EDUNINE 2025)	Montevideo, Uruguay		Session Chair of technical session No.21 (T21); Peer Reviewer of 3 technical papers on the International Program Committee
*7-10/4/2025	The 19th Annual IEEE International Systems Conference (SYSCON 2025)	Montreal, Quebec, Canada		Member of Technical Program Committee
12/4/2023	Workshop: Remote Operation of Laboratory Facilities for IoT sponsored under the UNSAM-HIT Research MOU	Buenos Aires, Argentina		Workshop Co-chair
16-18/11/2022	ICECCME 2022 – 2nd International Conference on Electrical, Computer, Communications and Mechatronics Engineering	Maldives	Parallel Session D-II: Modelling	Session Chair
10-14/6/2018	The 7th Mediter-ranean Conference on Embedded Computing (MECO2018)	Budva, Montenegro		Session Chairman
9-12/7/2012	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	Systems of systems research (M. Winokur)	Closing panel
2008	INCOSE, International Conference	Utrecht, Holland	DANSE one-day workshop	Coordinator

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*   Since last promotion

5. Participation in Scholarly Conferences, contd.

c. Organization of Conferences or Sessions in Israel

Date	Name of Conference	Place of Conference	Subject of Lecture/Discussion	Role
*28/4/2025	24th National Conference on Industrial Engineering and Management	Open University, Ra'anana, Israel		Organizer of industrial panel session
*9-10/4/2024	The 8th National Hackathon	HIT, Israel		Member of Organizing Committee
18-19/6/1997	The Eighth Israeli Conference on Computer Systems and Software Engineering	Herzliya, Israel		Co-Chair of Organizing Committee
12-13/6/1996	The 7th Israel Conference on Computer Systems and Software Engineering	Herzliya, Israel		Chairperson of Organizing Committee

d. Organization of Conferences or Sessions Abroad

Date	Name of Conference	Place of Conference	Subject of Lecture/Discussion	Role
26-28/2/2020	The 21st International Conference on Industrial Technology (ICIT 2020)	Buenos Aires, Argentina	Special session on: Technology development and society – Opportunities and conflicts	Organizer
			Special session on: Agro industry 4.0	Organizer and Chair
2004	INCOSE, European Conference	Toulouse, France		Member of Organizing Committee

e. Oral and Poster Presentations in Israel

4/2025	24th National Conference on Industrial Engineering and Management Engineering, Industry and Management in AI and Data Sciences Era during a Prolonged National Emergency, Open University, Ra'anana, Israel, 28 April 2025 Oral presentation: *AI-powered engineering-bridging theory and practice* (M. Winokur)
9/2022	Annual INCOSE_IL Conference on Systems Engineering: The Full Cycle of Systems Engineering, Herzliya, Israel, 14 September 2022 Oral presentation: *Remote lab for on line research: Conceptual design and prototype development* (M. Winokur)

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*   Since last promotion

5. **Participation in Scholarly Conferences, contd.**

e. **Oral and Poster Presentations in Israel**

6/2021   Joint HIT-UBP Seminar: The Impact of Covid 19 on the Digital economy,
Israel-Argentina, 23 June 2021 [online]
Oral presentation: *The techno-economic paradigm of the digital era and the*
                              COVID-19 impact
                              (M. Winokur)

3/2021   The 11th Israeli International Conference on Systems Engineering:
Systems Engineering in the Age of Disruptions and Transformations,
Israel, 16-17 March 2021 [online]
Oral presentations: *Recent advances in system modelling and simulation*
                              (M. Winokur, A. Zaguri)
                              Systems engineering track – M.Sc. in technology management
                              (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)

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)

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

11/2003   United Jewish Communities General Assembly, HIT, Holon, Israel, 18 November 2003
Oral presentation: *Importance of the bridge between academics and hi-tech industry:*
                              A case study

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]**

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

f. **Oral and Poster Presentations Abroad**

4/2023   Workshop: Remote Operation of Laboratory Facilities for IoT sponsored under the
UNSAM-HIT Research MOU, Buenos Aires, Argentina, 12 April 2023
Oral presentation: *Remote lab for research and teaching in IoT and computer*
                              aided manufacturing ("Ideation" EU Project)
                              (M. Winokur)

3/2021   Global Faculty Week 2021, Monterrey Technology University,
Mexico, 1-4 March 2021
Oral presentation: *Technology and economy: The hidden bond*
                              (D. Blank, M. Winokur)

5. Participation in Scholarly Conferences, contd.

f. Oral and Poster Presentations Abroad

2/2021   ISC Paris International Week , 15-19 February 2021 [online]
Oral presentation: *Technology and economy: The hidden bond*
     (D. Blank, M. Winokur)

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)

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)

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

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

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)

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)

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)

g. Organization of Seminars Abroad

Date	Name of Conference	Place of Conference	Subject of Lecture/Discussion	Role
23/6/2021 [online]	Joint HIT-UBP Seminar: The Impact of Covid 19 on the Digital Economy	Israel/Argentina		Seminar Organizer
22/7/2019	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 Tech-nology Management	National University of San Martin, Buenos Aires, Argentina		Workshop Co-Organizer; Member of Program Committee

6. **Invited Guest Lectures in Israel**

Date	Place of Lecture	Name of Forum	Presentation/Comments
*18-24/10/2025	4th Euro-Asia and Balkan Countries – HIT Partners Annual Seminar, Holon, Israel		Invited Speaker: Transforming traditional labs: Concept, Implementation and real-life experience
16/6/2015	IBM BusinessConnect 2015 – Seize the Moment, Tel-Aviv, Israel		Invited Speaker: IAI – A development home for systems of systems at the leading edge of world technology תעשייה אווירית: בית פיתוח מערכות על בחזית הטכנולוגיה העולמית
24-25/3/2015	INCOSE_IL 6th International Conference – Systems Engineering Current and Future Challenges, Herzliya, Israel		Invited Speaker: Cross tool/joint simulation in the DANSE project

6. **Invited Guest Lectures Abroad**

Date	Place of Lecture	Name of Forum	Presentation/Comments
*10-12/9/2025	10th Innovative Learning Space Summit, Amsterdam, The Netherlands		Invited Keynote Speaker: Transforming traditional labs: Concept, implementation, and real-life experience
12-13/10/2023	INCOSE New England Chapter Fifth Annual Fall Workshop, Connecticut, USA		Invited Speaker: Advanced modeling paradigms for model driven engineering in cyber-physical systems
13-15/9/2023	8th Innovative Learning Space Summit, Prague, Czech Republic		Invited Keynote Speaker: Remote learning and exercising of IoT labs in higher education: The Holon Institute of Technology Prototype
17-19/7/2019	SASE 2019 – Argentine Symposium on Embedded Systems, National University of Rosario, Santa Fe, Argentina		Invited Speaker: Model based design of embedded systems – Theory and industrial reality
8/10/2015	2015 Workshop on Embedded and Cyber-Physical Systems Education (WESE), Amsterdam, Netherlands		Invited Keynote Speaker: Challenges of starting a new embedded systems specialty in an established EE dept.

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*   Since last promotion

6. <u>Invited Guest Lectures Abroad</u>, contd.

Date	Place of Lecture	Name of Forum	Presentation/Comments
17/7/2013	Gordon Center Systems Engineering Symposium, Technion, Haifa, Israel		Invited Speaker: Danse – **D**esigning for **A**daptability and evolution in **S**ystem of systems **E**ngineering
14/2/2013	Conference for Teaching Engineering Programs in Israel – New Horizons – From Employment to Career, Kinneret Academic College, Galilee, Israel		Invited Speaker: Continuity engineering between engineering systems to programs רציפות הנדסית בין הנדסת מערכת לתוכנה
18-19/3/2010	ARTEMIS Conference on Strategies for Embedded Computing Research, Vienna, Austria		Invited Speaker: Embedded systems: Critical technology for systems of systems
3/1997	The 8th SEPG USA National Meeting, San Jose, CA, USA		Invited Speaker: Approaches to corporate-level software engineering process group activities

7. <u>Research Grants</u>

a. <u>Grants Awarded</u>

Year	Funded by/ Amount	Topic	Co-Researchers	Role in Research
7/2023-7/2024	The European Institute of Innovation and Technology (EIT)/ Overall budget: €750,000/ HIT's budget: €127,000	DEETECHTIVE – DEETECHTIVE – Deep Tech Talents – Innovation and Entrepreneurship	Six partners: - Wroclaw University of Science and Technology, Poland – lead partner - Universita' degli studi di Genova, (UniGE), Italy - EPF – Ecole d'ingénieurs. France - Centria University of Applied Sciences, Finland - Institute of Technology Transfer, Poland - HIT – Holon Institute of Technology, Israel	Principal Investigator
7/2022-6/2024	The European Institute of Innovation and Technology (EIT)/ Overall budget: €1,200,000/ HIT's budget: €240,000	IDEATION – Innovation and Entrepreneurship Actions and Training for Higher Education	Five partners: - Wroclaw University of Science and Technology, Poland – project lead - University of La Laguna, Spain - Institute for Industrial Management (Germany) - Centre of Research and Technological Innovation, Italy - HIT – Holon Institute of Technology, Israel	Principal Investigator

7. Research Grants, contd.

a. Grants Awarded

Year	Funded by/ Amount	Topic	Co-Researchers	Role in Research
2011-2015	European Commission FP7 Project/13.5 M$		Twelve partners - Leading academic researchers: - Prof. Roberto Passerone, Univ.Trento, Italy; - Prof. Roy Kalawsky- Loughborough Univ. UK	Technical Leader
2010-2014	European Commission FP7 Project/4 M$	SPRINT: Software Platform for Integration of Engineering and Things, Application Manager	Seven partners	Application Manager
2010-2014	European Commission FP7 Project/4.7 M$	AMISA – Architecting Manufacturing Industries and Systems for Adaptability Budget	Five partners	Principal Investigator
2010-2013	European Commission FP7 Project/4.5 M$	PINCETTE: Validating changes and upgrades in networked software	Seven partners	Principal Investigator
2006-2010	European Commission FP6 Project/19 M$	SPEEDS: Speculative and Exploratory Design of Embedded Computer Systems	Sixteen partners Leading academic researchers: - Prof. Werner Damm, Univ. Oldenburg Germany - Prof. Alberto Sangiovanni- Vincentelli, UC Berkeley - Prof. Albert Benveniste, INRIA France - Prof. Joseph Sifakis, CNRS France	Technical Leader
1999-2004	European Commission FP5 Project/7.5 M$	SAFEAIR Advanced Design Tools for Aircraft Systems and Airborne SW	Ten partners	Application Leader
1999-2002	Office of the Israel Chief Scientist, Ministry of Economy, Israel/400 K$	SW Re-Use Magnet Project	Five partners	Principal Investigator
1997-1999	European Commission FP4 Project/250 K$	TRUMP: Usability of Software Intensive Systems	Joint project: National Physical Laboratory UK and Israel Aerospace Industries	Principal Investigators: M. Winokur, N. Bevan
1995-1998	European Commission ESPRIT- PF4 Project	SACRES: Safety Critical Embedded Systems: From Requirements to Architecture	Ten partners	Personal Participation Invitation

8. Scholarships, Awards and Prizes

2025	Certificates of Recognition for Session Chair; Peer Reviewer of three technical papers on the International Program Committee, IX IEEE World Engineering Education Conference (EDUNINE 2025), Montevideo, Uruguay, 23-26 March 2025
2024	Best Paper Award: "Open innovation platform supporting cooperation of manufacturing companies and students in the era of industry 5.0/4.0 and education 4.0 (M. Rosienkiewicz, J. Helman, M. Cholewa, M. Molasy, D. Kohen-Vacs, M. Winokur, J-F Gómez-González, G. Berselli, A. Benis), 18th Global Congress on Manufacturing and Management (GCMM 2024), Bangkok, Thailand, 4-7 December 2024
2022-2023	Excellence Award in teaching, research and contribution to the institute and the community, HIT – Holon Institute of Technology, Holon, Israel
2022	Certificate of Gratitude for Session Chair, ICECCME 2022 – 2nd International Conference on Electrical, Computer, Communications and Mechatronics Engineering, Maldives, 16-18 November 2022
2017	Executive VP of Operations' Award for Excellence in Work Performance, Israel Aerospace Industries, Israel
2014	CEO's Award for Engineering and Development, Israel Aerospace Industries, Israel
2007	Certification of Recognition - Founding Member, INCOSE_IL, Israel
1991	Distinguished Employee Award, Israel Aerospace Industries, Israel
1980-1982	Ph.D. Scholarship, Bnei Brith, London, UK
1979-1982	British Council Fellowship Ph.D. Grant, British Council Fellowship, UK
1976	B.Sc. Summa Cum Laude Award, Technion – Israel Institute of Technology, Haifa, Israel
1975, 1974	President's honors list, Technion – Israel Institute of Technology, Haifa, Israel

9. Teaching

a. Courses Taught in Recent Years at HIT – Holon Institute of Technology

Year	Name of Course	Type of Course Lecture/Seminar/ Workshop/High Learn Course/ Introduction Course (Mandatory)	Degree	Number of Students
2017-	Systems Engineering for Technology Intensive Products②	Lecture (mandatory)	M.Sc.	500
2017-	Engineering Design 1②	Lecture (mandatory)	M.Sc.	200
2015-2018	Development Tools for Embedded Computer Systems①	Lecture	B.Sc.	30
2014-2018	Specification and Development of Embedded Computer Systems①	Lecture (mandatory)	B.Sc.	200
2010-	Software Engineering for Systems Engineers①	Lecture (mandatory)	M.Sc.	500

① New course, developed and taught by Prof. Winokur
② Updated by Prof. Winokur

9. Teaching, contd.

b. Courses Taught in Recent Years at Technion – Israel Institute of Technology

Year	Name of Course	Type of Course Lecture/Seminar/ Workshop/High Learn Course/ Introduction Course (Mandatory)	Degree	Number of Students
2001-2017	Embedded Computer Systems Specification and Analysis①	Lecture (mandatory)	M.Sc.	500
1977-1979	Power Systems Lab.③	Lab	B.Sc.	50
1976-1979	Power Systems③	Lecture	B.Sc.	100
1976	Linear Differential Equations③	Lecture	B.Sc.	30

① New course, developed and taught by Prof. Winokur
③ Teaching Assistant

b. Courses Taught in Recent Years at Technion – Israel Institute of Technology

Year	Name of Course	Type of Course Lecture/Seminar/ Workshop/High Learn Course/ Introduction Course (Mandatory)	Degree	Number of Students
1977	Control Systems③	Lecture	B.Sc.	25
1976-1979	Control Systems Lab.③	Lab	B.Sc.	100
1975-1978	Control Systems 1③	Lecture (mandatory)	B.Sc.	100

① New course, developed and taught by Prof. Winokur
③ Teaching Assistant

c. Courses Taught in Recent Years at Tel-Aviv University

Year	Name of Course	Type of Course Lecture/Seminar/ Workshop/High Learn Course/ Introduction Course (Mandatory)	Degree	Number of Students
1997-2004	Software Specification and Analysis for Embedded Systems④	Lecture (mandatory)	M.Sc.	400

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

9. Teaching, contd.

Supervision of Graduate Students

a. Graduate Students - Computer Science Dept., Tel-Aviv University with Prof. A. Yehudai

Name of Student	Title of Topic	Degree	Date of Completion/ in Progress	Students' Achievements
Guy Helman	Software Methods and Modeling for Embedded Systems	M.Sc.	1998	

10. Miscellaneous

a. Membership in Professional Societies

2000-present   Member, INCOSE, International Council on Systems Engineering – International

1986-present   Senior Member, IEEE and IEEE Computer Science Society - International

11. Professional Experience

2005-11/2017   Corporate Director - Engineering and Development❶ - Corporate Operations, Israel Aerospace Industries (IAI)

1996-11/2017   Coordinator of IAI's participation in the EC Framework research programs❷ - Corporate Operations and Corporate R&D, Israel Aerospace Industries (IAI)

1993-2005   Corporate Director, Embedded Computer Systems❸ - Corporate R&D, Israel Aerospace Industries (IAI)

1986-1993   Research Engineer❹ - Corporate R&D, Malat (unmanned air vehicles) and TAMAM (optronics and inertial systems) divisions, Israel Aerospace Industries (IAI)

1983-1986   Senior Engineer❺ - R&D Division, Israel Electric Corporation (IEC)

1976   Junior Engineer❻ - Medical Systems Division, Philips Eindhoven, Holland

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❶ 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.

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

❸ 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.

❹ 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.

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

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

11. Professional Experience, contd.

Industrial Training Experience

2008-11/2017   Developer of course structure - MAHUT Training Division, Israel Aerospace Industries (IAI)❼

2002-11/2017   Program Developer and Supervisor - MAHUT Training Division, Israel Aerospace Industries (IAI)❽

1999-2001   Program Developer - MAHUT Training Division, Israel Aerospace Industries (IAI)❾

1985-1987   Lecturer - Power Plant Engineers Training Program, Israel Electric Corporation (IEC)❿

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❼ Content integration and teaching of selected modules. Project Management - 260 hours internal industrial course.
❽ Teaching of modules on requirements engineering and development management. Systems Engineering Processes and Tools – 240 hours internal IAI industrial training
❾ 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.
❿ Introduction to Control Systems (45 hours); Power Plant Control (45 hours)

PUBLICATIONS

Prof. Michael Winokur has an h-index of 10 (Google scholar)

A.   **Ph.D. Dissertation**

Emergency state control of interconnected power systems, 1982 (268 pages) in English, Electrical and Systems Engineering, Imperial College, University of London, England (Supervisor: Prof. Brian Cory)

D.   **Articles in Refereed Journals (ranked by either WoS or SCIMago)**

Published

*1.   J. Helman, M. Rosienkiewicz, D. Kohne-Vacs, M. Usher, M. Cholewa, M. Molasy, **M. Winokur** (2025)
Technopreneurship in engineering education: Synthesizing pedagogical approaches for sustainable competency development
Sustainability, 17(24), 11228, published 15 December 2025
https://doi.org/10.3390/su172411228
WoS: Q2; IF: 3.6 (2024)
SCImago: Q1; h-index 207

*2.   S.A. Nelke, D. Kohen-Vacs, M. Khomyakov, M. Rosienkiewicz, J. Helman, M. Cholewa, M. Motasy, A. Górecka, J-F Gómez-González, M. Bourgain, A. Sagar, G. Berselli, D. Blank, **M. Winokur**, A. Benis (2024)
Enhancing lessons on the internet of things in science, technology, engineering, and medical education with a remote lab
Sensors, 24(19), 6424, published 4 October 2024
https://doi.org/10.3390/s24196424
WoS: Q2; IF: 3.7 (2023); JCR citations: 2
SCImago: Q1; h-index 273; Scopus citations: 5
[Google scholar citations: 7]
[M. Winokur, A. Benis, S. Nelke, D. Kohen-Vacs – equal contributors; others – review]

*3.   S. Fridkin, **M. Winokur**, A. Gamliel (2024)
Development of a quality deterioration index for sustainable quality management in high-tech electronics manufacturing
Sustainability, 16(15), 6592, published 1 August 2024
https://doi.org/10.3390/su16156592
WoS: Q2; 3.6 (2023)
SCImago: Q1; h-index: 207
[Google scholar citation: 1]
[equal contribution]

*4.   M. Rosienkiewicz, J. Helman, M. Cholewa, M. Molasy, A. Górecka, D. Kohen-Vacs, **M. Winokur**, S. Amador Nelke, A. Levi, J.F. Gómez-González, M. Bourgain, A. Sagar, G. Berselli, A. Benis (2024)
Enhancing technology-focused entrepreneurship in higher education institutions ecosystem: Implementing innovation models in international projects
Education Sciences, 14(7), (797-1–797-33), published 22 July 2024
WoS: Q1; IF: 2.6 (2023); JCR citations: 12
SCImago: Q1; h-index 68; Scopus citations: 22
[Google scholar citations: 48]
[M. Rosienkiewicz, J. Helman, M. Winokur, A. Benis, D. Kohne-Vacs – equal contributors; others - review]

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*   Since last promotion
2022 Five-year Impact Factor unless otherwise stated

D.   Articles in Refereed Journals (ranked by either WoS or SCIMago), contd.

Published

5.   A. Benis, S. Amador Nelke, **M. Winokur** (2021)
     Training the next industrial engineers and managers about industry 4.0: A case study about
     challenges and opportunities in the COVID-19 era
     Sensors, 21(9), (2905)
     Special Issue: Industry 4.0 and Smart Manufacturing
     https://doi.org/10.3390/s21092905
     [569 full text views since being published (21 April 2021)]
     WoS: Q2, IF: 4.1, JCR citations: 19
     SCImago: Q1, h-index 219, Scopus citations: 30
     [Google scholar citations: 65]
     [equal contribution]

6.   S. Amador Nelke, **M. Winokur** (2020)
     Introducing IoT subjects to an existing curriculum
     IEEE Design & Test, 37(6), (24-30)
     Special Issue on Education for Cyber Physical Systems
     WoS: Q3, IF: 2.3, JCR citations: 10
     SCImago: Q2, h-index: 82, Scopus citations: 15
     [Google scholar citations: 24]
     [equal contribution]

7.   **M. Winokur**, B.J. Cory (1984)
     Identification of strong and weak areas for emergency state control
     IEEE Trans. on Power Apparatus and Systems, PAS-103(6), (1486-1492)
     JCR citations: 4
     SCImago: Q4, Scopus citations: 8
     [Google scholar citations: 17]
     [M. Winokur – main contributor; others – review]

8.   **M. Winokur**, B.J. Cory (1984)
     Identification of strong and weak areas for emergency state control
     IEEE Power Engineering Review, PER-4(6), (62-63)
     SCImago: Q3, h-index: 40
     [Google scholar citations: 3]
     [M. Winokur – main contributor; others – review]

9.   **M. Winokur**, L. Tepper (1984)
     Extension of load follow capability of a PWR reactor by optimal control
     IEEE Trans. on Nuclear Science, NS 31(2), (932-939)
     WoS: Q2, IF: 1.9, JCR citations: 13
     SCImago: Q2, h-index: 130, Scopus citations: 15
     [Google scholar citations: 19]
     [M. Winokur – main contributor; others – review]

10. **M. Winokur**, D. Blank, L. Tepper (1979)
     A method of optimization of flux and xenon fluctuations in a nuclear reactor
     IEEE Trans. on Nuclear Science, NS-26(1), (791-795)
     WoS: Q2, IF: 1.9, JCR citations: 5
     SCImago: Q2, h-index: 130, Scopus citations: 7
     [Google scholar citations: 11]
     [M. Winokur – main contributor; others – review]

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*2022 Five-year Impact Factor unless otherwise stated

D.   Articles in Refereed Journals (non-ranked)

Published

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

E.   Chapters in Scientific Books

Published

1.   S. Amador Nelke, **M. Wino**kur (2018)
      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)
      Springer, Cham.
      [8th Int'l. Workshop (CyPhy 2018), and 14th Int'l. Workshop (WESE 2018)
      Turin, Italy, 4-5 October 2018 (revised selected papers)]
      https://doi.org/10.1007/978-3-030-23703-5_10
      Scopus citation: 1
      [Google scholar citations: 5]
      [equal contribution]

2.   J.Z. Lavi, **M. Winokur** (1991)
      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, (44-52)
      Königswinter, Germany, 17-19 June 1991
      [ISBN: 978-3-540-54194-3]
      [equal contribution]

3.   J.Z. Lavi (Loeb), **M. Winokur** (1988)
      Embedded computer systems requirements analysis & specification – An industrial course
      in: *Software Engineering Education*
      Lecture Notes in Computer Science, 327, (81-105)
      SEI Conf. on Software Engineering Education
      Fairfax, Virginia, USA, 28-29 April 1988
      [ISBN: 978-0-387-34779-0]
      Scopus citations: 2
      [Google scholar citations: 4]
      [equal contribution]

F.   Articles in Conference Proceedings

Published

*1.   G. Berselli, X. Zabulis, Z. Avdin, **M. Winokur**, N. Bukhshtaber, D. Kohen-Vacs, P. Trifonov,
      Y. Dubinsky (2025)
      Toward AI-enhanced robotics and smart platforms for sustainable agriculture and
      wetland coexistence
      IEEE SmartAgri&SuSY 2025 – Int'l. Congress on Smart Agriculture and Sustainable
      Systems Engineering
      Marrakech, Morocco, 5-9 December 2025
      [to be published by IEEE Xplore]

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*   Since last promotion

F.   **Articles in Conference Proceedings, contd.**

        Published

*2.   M. Molasy, D. Kohen-Vacs, **M. Winokur**, S. Amador Nelke, A. Levi, J-F Gómez-González (2025)
      Sustainability in advanced technologies
      Sustainability Design and Manufacturing 2024: Proc. 11th Int'l. Conf. on Sustainable Design and
      Manufacturing (KES-SDM 2024)
      Vol.112, Springer Nature, 2 August 2025

*3.   M. Rosienkiewicz, J. Helman, M. Cholewa, M. Molasy, D. Kohen-Vacs, **M. Winokur**,
      S. Amador Nelke, A. Levi, J-F Gómez-González, A. Benis (2025)
      Infrastructure sharing model implementation as a pathway towards sustainability in
      advanced technologies
      Sustainable Design and Manufacturing 2024 (SDM 2024)
      M. Jolly, S.G. Scholz, R.J. Howlett, R. Setchi (eds.)
      Smart Innovation, Systems and Technologies, Vol.112 (207-216)
      Springer, Singapore, published online 2 July 2025
      https://doi.org/10.1007/978-981-96-4459-9_19

*4.   M. Korenfeld, A. Yehieli, M. Winokur (2025)
      IoT connected AI-powered 3D food printing for smart food production
      14th Mediterranean Conf. on Embedded Computing (MECO 2025)
      Budva, Montenegro, 10-14 June 2025 (1-4)
      https://doi.org/10.1109/MECO66322.2025.11049163
      [equal contribution]

*5.   M. Korenfeld, A. Yehieli, M. Winokur (*20oT connected AI-25*)
      Food as a service: An AI-powered 3D food printing SoS
      20th Annual System of Systems Engineering Conf. (SoSE 2025):
      SoSE for Sustainable Development
      Tirana, Albania, 8-11 June 2025 (1-5) [equal contribution]

*6.   O. Levy, I. Dikman, N. Levy, **M. Winokur** (2025)
      Work in progress: AI-powered engineering-bridging theory and practice
      IX IEEE World Engineering Education Conference (EDUNINE 2025)
      Montevideo, Uruguay, 23-26 March 2025
      Scopus citation: 1
      [Google scholar citation: 1]
      [equal contribution]

*7.   M. Cholewa, J. Helman, M. Rosienkiewicz, M. Molasy, M. Bourgain, A. Sagar, G. Berselli,
      D. Kohen-Vacs, **M. Winokur** (2024)
      Identification and empowerment of talented deep students using the Deep Tech Detector approach
      GCMM 2024 18th Global Congress on Manufacturing and Management.
      Bangkok, Thailand, 4-7 December 2024
      [M. Cholewa, M. Rosienkiewicz, J. Helman, M. Molasy equal contribution, others review]
      Proceedings to be published in Springer

*8.   M. Rosienkiewicz, J. Helman, M. Cholewa, M. Molasy, D. Kohen-Vacs, **M. Winokur**, J-F. Gómez-
      González, G. Berselli, A. Benis (2024)
      Open innovation platform supporting cooperation of manufacturing companies and students in the
      era of Industry 4.0/5.0 and Education 4.0
      GCMM 2024 18th Global Congress on Manufacturing and Management.
      Bangkok, Thailand, 4-7 December 2024
      [M. Winokur, A. Benis. M. Rosienkiewicz equal contribution, others review]
      Proceedings to be published in Springer

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*   Since last promotion

F.   Articles in Conference Proceedings, contd.

Published

*9.   M. Rosienkiewicz, J. Helman, M. Cholewa, M. Molasy, D. Kohen-Vacs, **M. Winokur**,
S. Amador Nelke, A. Levi, J-F Gómez-González, A. Benis (2024)
Infrastructure sharing model implementation as a pathway towards sustainability in
advanced technologies
11th Int'l. Conf. on Sustainable Design and Manufacturing (SDM-2024)
Santa Cruz, Madeira, Portugal, 18-20 September 2024
Proceedings to be published in June 2025
[M. Rosienkiewicz, J. Helman, M. Winokur, A. Benis, D. Kohen-Vacs – equal contributors;
others – review]

*10.   M. Baggetta, M. Cholewa, M. Molasy, M. Rosienkiewicz, J. Helman, A. Górecka, M. Bourgain,
A. Sagar, D. Kohen-Vacs, **M. Winokur**, A. Benis, F. Balugani, G. Berselli (2024)
Introducing CAD/CAE tools in robotics education: A case study from the deetechtive project
20th IEEE/ASME Int'l. Conf. on Mechatronic and Embedded Systems and Applications (MESA)
Genova, Italy, 2-4 September 2024 (1-6)
https://doi.org/10.1109/MESA61532.2024.10704858
[M. Baggetta – main contributor; others – review]
[Google scholar citation: 1]

11.   S.A. Nelke, M. Khomyakov, S. Mhmad, **M. Winokur**, A. Benis (2023)
Designing and developing a remote IoT lab for enhanced lab classes
Proc. 2023 Pre-ICIS SIGDSA Symp.
Hyderabad, India, 9-10 December 2023
https://aisel.aisnet.org/sigdsa2023
[Google scholar citation: 1]
[equal contribution]

12.   **M. Winokur**, S. Tenne, K. Tanhilevich, N. Reginiano (2023)
Bright solar
17th MODPROD Workshop on Model-Based Cyber-Physical Product Development
Linkőping University, Sweden, 7-8 February 2023
[M. Winokur – main contributor; others – review]

13.   **M. Winokur**, A. Benis, M. Firger, Y. Mordechaievi (2023)
Modeling by curve fitting for digital twin
17th MODPROD Workshop on Model-Based Cyber-Physical Product Development
Linkőping University, Sweden, 7-8 February 2023
[M. Winokur – main contributor; others – review]

14.   A. Zaguri, **M. Winokur** (2022)
Evaluation of practical modeling tools and methods for cyber physical systems
ICECCME 2022 – 2nd Int'l. Conf. on Electrical, Computer, Communications and
Mechatronics Engineering
Maldives, 16-18 November 2022 (1-6)
[https://doi:10.1109/ICECCME55909.2022.9988180]
[M. Winokur – main contributor; others – review]

15.   A. Hadar, N. Levy, **M. Winokur** (2022)
Management and detection system for medical surgical equipment
ICMECE 2022 – Interdisciplinary Conf. on Mechanics, Computers and Electrics
Barcelona, Spain, 6-7 October 2022
[Google scholar citations: 4]
[equal contribution]

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*   Since last promotion

F.   Articles in Conference Proceedings, contd.

Published

16. **M. Winokur**, A. Zaguri (2021)
     Recent advances in system modelling and simulation
     Proc. 15th MODPROD Workshop on Model-based Cyber-Physical Product Development
     Linköping University, Sweden, 3-4 February 2021 [online]
     [M. Winokur – main contributor; others – review]
     [Google scholar citation: 1]

17. D. Blank, **M. Winokur** (2020)
     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]
     [equal contribution]

18. B. Bulmash, **M. Winokur** (2020)
     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]
     Scopus citations: 2
     [Google scholar citations: 5]
     [equal contribution]

19. A. Benis, S. Amador Nelke, **M. Winokur** (2020)
     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]
     JCR citations: 5
     Scopus citations: 7
     [Google scholar citations: 12]
     [equal contribution]

20. **M. Winokur**, Z. Lando, A. Modai (2018)
     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)
     [M. Winokur – main contributor; others – review]

21. **M. Winokur** (2015)
     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]**

22. N. Thirer, **M. Winokur** (2015)
     Considerations for FPGA based embedded control systems design
     2015 6th Int'l. Conf. on Advanced Computer Control
     Beijing, China, 11-12 July 2015
     [equal contribution]

23. **M. Winokur**, A. Modai, Z. Lando (2015)
     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]
     [M. Winokur – main contributor; others – review]

F.   Articles in Conference Proceedings, contd.

Published

24. **M. Winokur** (2015)
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]**

25. **M. Winokur** (2013)
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]**

26. **M. Winokur** (2012)
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

27. **M. Winokur**, A. Keis, H. Broodney (2012)
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
[M. Winokur – main contributor; others – review]

28. **M. Winokur**, R. Goldberg, K. Andreas, S. Matthews, M. Nir (2011)
Case study: More complex not more complicated
Innovate 2011
Orlando, FL, USA, 5-9 June 2011
[equal contribution]

29. E. Gery, **M. Winokur**, N. Mashkiff (2010)
Using jazz for systems engineering relationship hub – A case study
Innovate 2010
Orlando, FL, USA, 6-10 June 2010
[equal contribution]

30. **M. Winokur** (2010)
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. **M. Winokur**, S. Graf, B. Josko (2008)
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)
[Google scholar citation: 1]
[equal contribution]

32. A. Engel, **M. Winokur**, G. Döhmen, M. Enzmann (2008)
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)
Scopus citations: 7
[Google scholar citations: 12]
[equal contribution]

F. **Articles in Conference Proceedings, contd.**

Published

33. A. Engel, **M. Winokur**, D. Goshen, I. Geva (2001)
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)
[equal contribution]

34. D. Goshen-Meskin, V. Gafni, **M. Winokur** (2001)
SafeAir – An integrated development environment and methodology
Proc. INCOSE Int'l. Symp.
Melbourne, Australia, 1-5 July 2001, 11(1) (798-806)
[Google scholar citations: 10]
[equal contribution]

35. A. Engel, J. Hurvitz, **M. Winokur** (1999)
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
[equal contribution]

36. I. Lavi, **M. Winokur**, R. Gallant (1998)
Results of a software process improvement program in a large corporation
The 12th Int'l. Conf. of the Israel Society for Quality
Jerusalem, Israel, 1-3 December 1998
[Google scholar citations: 2]
[equal contribution]

37. **M. Winokur**, A. Grinman, I. Yosha, R. Gallant (1998)
Measuring the effectiveness of introducing new methods in the software development process
24th Euromicro Conf.
Stockholm, Sweden, 27 August 1998, 2 (800-807)
JCR citation: 1
Scopus citation: 1
[Google scholar citations: 5]
[M. Winokur – main contributor; others – review]

38. **M. Winokur**, I. Lavi, S. Glick (1998)
Two-tiered organization process focus implementation
1998 European SEPG Conf.
London, UK, June 1998 (C405-C413)
[Google scholar citations: 4]
[M. Winokur – main contributor; others – review]

39. R. Gallant, **M. Winokur**, J. Kudish (1996)
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)
Scopus citation: 1
[Google scholar citations: 4]
[equal contribution]

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

F.   Articles in Conference Proceedings, contd.

Published

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

42. **M. Winokur**, I. Lavi (1994)
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)
(M. Winokur – main contributor; others – review)

43. **M. Winokur**, I. Lavi, J.Z. Lavi, J. Kudish (1994)
Software process improvement at IAI
The 6th Software Engineering Process Group National Meeting
Dallas, Texas, USA, 25-28 April 1994
[equal contribution]

44. **M. Winokur**, J. Kudish (1993)
Model-based requirements management with ECSAM
I-Logix Second Int'l. Group Conf.
Boston, Mass., USA, 27-28 October 1993
(M. Winokur – main contributor; others – review)

45. J. Kudish, J.Z. Lavi, **M. Winokur**, R. Gallant (1992)
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)
[equal contribution]

46. J.Z. Lavi, **M. Winokur**, R. Gallant, J. Kudish (1992)
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)
[Google scholar citations: 5]
[equal contribution]

47. **M. Winokur**, A. Engel, R. Gallant (1991)
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)
(M. Winokur – main contributor; others – review)

48. D. Kottick, M. Blau, **M. Winokur** (1991)
An introduction to dynamic security of supply in the Israeli power system
17th Conv. of Electrical and Electronic Engineers in Israel, 1991 (338-341)
Scopus citations: 7
[Google scholar citations: 9]
[equal contribution]

49. Y. Malchi, **M. Winokur**, D. Kottick (1991)
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)
Scopus citation: 1
[Google scholar citations: 3]
[equal contribution]

F.   Articles in Conference Proceedings, contd.

Published

50. **M. Winokur**, J.Z. Lavi, I. Lavi, R. Oz (1990)
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)
Scopus citations: 3
[Google scholar citations: 9]
[equal contribution]

51. J.Z. Lavi, **M. Winokur** (1989)
ECSAM – A method for the analysis of complex embedded computer systems and their software
Proc. Structured Techniques Association Conf. (STA5)
Chicago, USA, 8-11 May 1989 (50-63)
[Google scholar citations: 16]
[equal contribution]

52. J.Z. Lavi, **M. Winokur**, A. Dagan, R. Rokach (1988)
Multi level analysis of complex embedded computer systems
3rd Israel Conf. on Computer Systems and Software Engineering
Tel-Aviv, Israel, April 1988 (86-95)
Scopus citations: 2
[Google scholar citations: 5]
[equal contribution]

53. **M. Winokur**, B.J. Cory (1987)
Voltage collapse prevention in interconnected power systems
9th Power Systems Computation Conf.
Portugal, September 1987 (337-344)
[Google scholar citations: 2]
[M. Winokur – main contributor; others – review]

54. **M. Winokur**, A. Pe'er (1986)
Unit response improvement to enhance security of isolated power system
2nd Int'l. Conf. on Power System Monitoring and Control
Durham, UK, July 1986 (102-106)
Scopus citation: 1
[M. Winokur – main contributor; others – review]

55. **M. Winokur**, B.J. Cory (1984)
Identification of strong and weak areas for emergency state control
IEEE/Power Engineering Society 1984 Winter Meeting
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56. **M. Winokur**, B.J. Cory (1983)
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[M. Winokur – main contributor; others – review]

57. **M. Winokur**, B.J. Cory (1983)
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F.   Articles in Conference Proceedings, contd.

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H.   Other Scientific Publications

a.   Reports

1.   **M. Winokur**, N. Ben-Dov, R. Goldberg, et al. (2015)
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2.   N. Ben-Dov, **M. Winokur**, et al. (2012)
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[equal contribution]

3.   J.Z. Lavi, **M. Winokur**, J. Kudish, R. Gallant (1991)
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[Google scholar citations: 3]

4.   A. Peer, **M. Winokur** (1988)
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[M. Winokur – main contributor; others – review]

H.   Other Scientific Publications

b.   Abstracts

*1.   O. Levy, I. Dikman, N. Levy, **M. Winokur** (2025)
AI-powered engineering-bridging theory and practice
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Open University, Ra'anana, Israel, 28 April 2025 [oral]
[M. Winokur - main presenter]

*2.   M. Cholewa, J. Helman, M. Rosienkiewicz, M. Molasy, M. Bourgain, A. Sagar, G. Berselli,
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[M. Cholewa, M. Rosienkiewicz, J. Helman, M. Molasy - equal contributors; others – review]

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H.   Other Scientific Publications, contd.

b.   Abstracts

3.   **M. Winokur** (2023)
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4.   **M. Winokur** (2023)
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5.   **M. Winokur** (2023)
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6.   **M. Winokur** (2022)
Remote lab for online research: Conceptual design and prototype development
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Herzliya, Israel, 14 September 2022

7.   **M. Winokur**, D. Blank (2021)
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[equal contribution]

8.   **M. Winokur**, G. Albert (2021)
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[M. Winokur – main contributor, others – review]

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10. S. Amador Nelke, **M. Winokur** (2019)
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Airport City, Israel, 1 April 2019
[equal contribution]

11. A. Benis, S. Amador Nelke, **M. Winokur** (2019)
Lab cluster for industrial engineering and technology management
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Airport City, Israel, 1 April 2019
[equal contribution]

H.　**Other Scientific Publications, contd.**

b.　**Abstracts**

12.　**מ. וינוקור**, ג. אלברט (2019)

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 (2019)

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Israel, 12 March 2019

[M. Winokur – main contributor, others – review]

H.　**Other Scientific Publications, contd.**

b.　**Abstracts**