

Name Gady Golan Ph.D.  
 (first) (last) (acad.degree)

Faculty Engineering

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**A. EDUCATION**

<b>Period of Study (dates)</b>	<b>Name and University (including city and country if not Israel)</b>	<b>Subject</b>	<b>Degree or Professional License</b>	<b>Date of Award</b>
1979-1982	Faculty of Electrical Engineering, Technion, I.I.T. Haifa.	Electrical Engineering	B.Sc.	1982
1983-1986	Faculty of Electrical Engineering, Tel-Aviv University, Tel-Aviv	Electrical Engineering	M.Sc. (cum laude)	1986
1987-1990	Faculty of Electrical Engineering, Tel-Aviv University, Tel-Aviv	Electrical Engineering	Ph.D.	1991

Title of Master's Thesis: Dispersive Effects in SAW Waveguides Fabricated on Lithium Niobate Crystals

Name of Supervisor: Prof. N. Croitoru and Prof. A. Seidman

Title of Doctoral Dissertation: Integrated Surface Acoustic Wave Devices

Names of Supervisors: Prof. N. Croitoru and Prof. A. Seidman

**B. FURTHER STUDIES**

<b>Period of Study (dates)</b>	<b>Name and University (including city and country if not Israel)</b>	<b>Subject</b>	<b>Degree or Professional License</b>	<b>Date of Award</b>
1990-1992	Tel-Aviv Faculty of Electrical Engineering	Research on SAW directional couplers in the laboratories of Profs. N. Croitoru and A. Seidman		

**B. FURTHER STUDIES, contd.**

<b>Period of Study (dates)</b>	<b>Name and University (including city and country if not Israel)</b>	<b>Subject</b>	<b>Degree Professional License</b>	<b>Date of Award</b>
7-9.1993	University College London, U.K.	Postdoctoral position. Research on Scanning Acoustic Microscopy (SAM) with Prof. C.W. Pitt		
7.1994,7.1995,7.1996	University College London, U.K.	SAM research with Prof. C.W. Pitt July 1995 - Member of the Wolfson Unit at UCL		

**C. ACADEMIC AND PROFESSIONAL EXPERIENCE**

<b>Period(dates)</b>	<b>Name of Institution (city, country)</b>	<b>Department</b>	<b>Rank/Function</b>
1982-1983	Practical Engineering High School of Tel-Aviv University, Israel	Electronics	Adjunct Lecturer
1982-1987	Tel-Aviv University, Faculty of Engineering, Israel	Electronics	Assistant
1983-1985	Tel-Aviv University, Faculty of Engineering, Israel	Advanced Laboratory of Electronic Devices	Assistant
July 1987	Kuln University, Arensburg, Germany	Summer camp for gifted talented students	Adjunct Lecturer
1983-1988	Tel-Aviv University, Israel	Youth Classes	Adjunct Lecturer
1983-present	Open-University, Tel-Aviv.	Natural Sciences	Coordinator and Teacher
1987-1994	Tel-Aviv University, Israel	Electrical Engineering	Adjunct Lecturer
<b>1991-present</b>	<b>HIT - Holon Institute of Technology, Holon Israel</b>	<b>Faculty of Engineering/ Dept. of Electrical and Electronics Engineering</b>	
		<b><u>Rank</u></b>	
	1991-1993	Adjunct Lecturer	
	1993-1998	Lecturer	
	1998-2003	Senior Lecturer (with tenure)	
	<b>2003-</b>	<b>Associate Professor</b>	
		<b><u>Function</u></b>	
	1999-	Vice Dean/Member of Research and Science Unit Committee	
	10/2008-2011	Dean of Faculty of Engineering	
	2011-2013	President of HIT	
	2013-9/2013	Vice President of HIT	
	10/2013-10/2015	President of ORT Hermelin Academic College of Engineering and Technology	
	8/2015-10/2016	Vice President of HIT	

**D. ACTIVITIES**

<b>Period(dates)</b>	<b>Name of Institution/Journal/ Conference (city, country)</b>	<b>Rank/Function</b>
1992-1993	Open University, Tel-Aviv, Israel	Academic Advisor for the academic "B-Tech" program preparations
5.1993	8th International Conference Information Technologies (INFO-93), Tel-Aviv, Israel	Session Chairman: "Novel developments in the distance learning model"
1994	IEEE Region 8 Electron Device Society (EDS), Israel	Chair Chapter Secretary
1994-1996	Israeli Vacuum Society (IVS) Bulletin	Editor; Board Member (1994)
9.1995	2nd International Conference on Photo-Excited Processes and Applications, Jerusalem ICPEPA, Israel	Member of Scientific Program Committee
1996	IEEE Region 8 Electron Device Society (EDS), Israel	Member of Educational Committee
1996	Inst. of Electrical Engineers (IEE), UK	Corporate Member
1996-1999	Ministry of Science and Arts Investigation of transparent photovoltaic multiplayer thin films for the visible range with Dr. E. Rabinovitch and A. Axelevitch	Principal Investigator
1996-present	IEE – Israel	Board Member and Honorary Secretary of the Israeli Branch
4.1997	12th International Conference Information Technologies (INFO-97), Tel-Aviv, Israel	Session Chairman: "Advanced information technologies for public service"
9.1997	IEEE 21st International Conference on Microelectronics (MIEL-97), Nish, Yugoslavia	Session Chairman: "Hybrid technologies and devices"
5.1997	9th Mediterranean Electrotechnical Conference (MELECON 98), Tel-Aviv, Israel	Session Chairman: "Electron Devices"
12.1997	17th Israeli Vacuum Society Conference (IVS), Tel-Aviv University, Israel	Session Chairman: "ULSI"
4.1998	Weizmann Institute of Science, Rehovot, Israel	Scientific Committee "Science and Technology of Nanostructures STN-98"
5.1998	IEEE 9th Mediterranean Electrotechnical Conference (MELECON 98), Tel-Aviv, Israel	Scientific Coordinator

**D. ACTIVITIES, contd.**

<b>Period(dates)</b>	<b>Name of Institution/Journal/ Conference (city, country)</b>	<b>Rank/Function</b>
11.1998	1st Mediterranean Conference on Power Generation, Transmission and Distribution (Med-Power 98), Nicosia, Cyprus	Session Chairman: "Artificial intelligence applications"
11.1998	2nd Conference on Material Sciences and Technologies AGIL, Kfar Hamacabia, Ramat Gan, Israel	Session Chairman: "Technological incubators in Israel" Secretary and Member of Advisory Committee
1998-2001	IEEE-Israel	Elected Chairman of Student Activities in Israel
1999-present	Open University of Israel	Developed academic course "Seminar in microelectronics technologies" (Natural Sciences)
1999-present	IEEE-EDS (Electron Device Society), Israel	Editor of Region 8 Newsletter
4.2000	IEEE-21, Tel-Aviv, Israel	Session Chairman: "Electronic devices – 2"
5.2000	IEEE 22nd International Conference on Microelectronics (MIEL 2000), Nish, Yugoslavia	Session Chairman: "Device physics and technology" and Member of Program Committee
5.2000	10th Mediterranean Electrotechnical Conference (MELECON 2000), Cyprus	Session Chairman: "Power quality"
6.2000	Israeli Vacuum Society (IVS-2000), Holon Institute of Technology, Israel	Member of Program Advisory Committee
11.2000	3rd Conference on Material Sciences and Technologies AGIL, Jerusalem, Israel	Session Chairman: "Electron devices" and Member of Organizing Committee
11.2000	2nd Mediterranean Conference on Power Generation, Transmission and Distribution (Med Power 2000), Herzlia, Israel	Secretary and Member of Organizing Committee <i>(cancelled due to political unrest in the region)</i>
11.2001	IEE Annual Meeting, Ruppin School of Engineering, Israel	Secretary and Member of Organizing Committee
5.2002	IEEE 23rd International Conference on Microelectronics (MIEL-2002), Nish, Yugoslavia	Member of Steering Committee
5.2002	3rd Mediterranean Conference on Power Generation, Transmission and Distribution (Med Power 2002), Athens, Greece	Member of Organizing Committee

**D. ACTIVITIES, contd.**

<b>Period(dates)</b>	<b>Name of Institution/Journal/ Conference (city, country)</b>	<b>Rank/Function</b>
2003-present	Israeli branch IEEE-EDS	Chair Chapter
5.2004	24th International Conference on Microelectronics, Serbia and Montenegro	Steering Committee Member
22.5.2004	IEEE Electron Devices Society, 2004 EDS Regions 8 Chapters Meetings, Madrid, Spain	Invited talk: Metal/non metal silicon interfaces influenced by Vacuum Photothermal Processing (VPP)
7.2004	The 5th Conference of the Society of Electrical and Electronic Engineers in Israel, 3-6 Nov. 2004	Academic Committee Member
8.2004	Coatings and Thin Films Conference and Exhibition, Holon, Israel, 14 Oct. 2004	Organizing and Program Committee Member
11.2004	4th Mediterranean Conference on Power Generation, Transmission and Distribution (Med Power 2004), Lemesos, Cyprus	Member of Organizing Committee
1.5.2005	Advances in Optics and Computational Imaging, Holon Institute of Technology, (HIT) Israel	Chairman and Organizer
2.5.2005	RFI – Radio Frequency Interference, HAIT, Israel	Chairman of EDS Session
1.11.2005	IEEE-EDS Region 8	Chapter Partner to the MTT/ED/AP/CPMT Bulgaria-Sofia, ED/SSC Bulgaria-Varna, ED/MTT Greece, ED/SSC Yugoslavia, and ED/SSC University of Nis Student Branch Chapters
11.2005	Electricity 2005 – Electricity, Communication, Control, Energy, Eilat, Israel	Session Chairman – Start-ups and high technologies
4.2006	Electricity Conference 2006, Eilat, Israel, 15-17.11.2006	Nominated as member of Academic Committee
1.6.2006	IEEE Electron Devices Society 2006 EDS Regions 8 Chapters Meetings, Mini-Colloquia, University of Napoli, Naples Italy	Invited Talk: Novel Sheet Plasma Sputtering and Vacuum Photothermal Processing (VPP)
20.6.2006	Israel-Serbia Workshop on Micro/Nano Science and Technology, Technion, Haifa, Israel	Invited Talk: Recent progress in VO <sub>2</sub> thin films, carbon nano tubes, low pressure plane plasma discharge in triode sputtering configuration; Member of Organizing Committee; Chair for presentation of the best student papers

**D. ACTIVITIES, contd.**

<b>Period(dates)</b>	<b>Name of Institution/Journal/ Conference (city, country)</b>	<b>Rank/Function</b>
2006	The World of Electricity and Electronics (textbook) written by Adir Bar-Lev for The Open University, Chapters 7-10 (323 pages)	Initiator and academic mentor
2007	4th Annual Israeli National Conference on Systems Engineering (INCOSE-IL 2007) 21-22.3.2007, Israel	Member of Program Committee and Session Chairman: "System Engineering"
2007	Society of Information Display (SID), Israel	Director of Israeli Chapter
2007	IEEE Israel: RFI, EMC, ELF Conference, Holon Institute of Technology, Holon, Israel	Chairman of EDS Session
2007	Renewable Energy Sources and Energy Efficiency, Nicosia, Cyprus (28-30 September 2007)	Invited Speaker in Photovoltaic Technologies: Low cost a-silicon solar cells on flexible polymer substrates
2007	12th World Multi-Conference on Systemics, Cybernetics and Informatics (WMSCI 2008), jointly with 14th International Conference on Information Systems Analysis and Synthesis (ISAS 2008), 29 June-2 July 2008, Orlando, Florida, USA	Reviewer
2008	26th International Conference on Microelectronics (MIEL 2008), Nish, Serbia, 11-14 May 2008	Member of Steering Committee and Session Chairman: Opto and Microwave Devices and ICs
2008	MedPower08 - 6th Mediterranean Conference and Exhibition on Power Generation, Transmission, Distribution and Energy Conversion, Thessaloniki, Greece, 2-5 November 2008	Member of International Advisory Committee
2008	Electricity Conference 2008, Eilat, Israel, 3-6 December 2008	Member of Academic Committee/ Panelist – interactive panel discussion
2009	Annual Lighting Conference 2009 and Society for Information Display - SID, Tiberias, Israel, 13-15 May 2009	SID Conference Chairman
2010	International Council of Large Electrical Systems - CIGRE National Committee – Israel	Director and Board Member
16-19 May 2010	27th International Conference on Microelectronics (MIEL 2010), Niš, Serbia	Member of Steering Committee/ Session Chairman: Processes and Technologies

**D. ACTIVITIES, contd.**

<b>Period(dates)</b>	<b>Name of Institution/Journal/ Conference (city, country)</b>	<b>Rank/Function</b>
22 Sept. 2010	COST ACTION IS0905 – Working Groups' Meeting, Cambridge, UK – The Emergence of Southern Multinationals and their Impact on Europe	Israel Delegate
1 Oct. 2010	Technical University of Vienna, Faculty of Engineering, Vienna, Austria	Invited Lecture within IEEE-EDS: "Novel solar cell technology" – distinguished lecturer program
6 Oct. 2010	ISES Annual Meeting – International Solar Energy Society, Israel Sustainable Energy Society, Weizmann Institute of Science, Ebner Auditorium, Rehovot, Israel	Session Chairman
8 Oct. 2010	Engineering Council Meeting of The Society of Electrical and Electronic Engineers in Israel (SEEEI) – "Future of the Engineering Education in Israel", Herzlia, Israel	Invited Lecture on: "Technological leadership for engineering students"
Nov. 2010	MedPower 2010 – 7th Mediterranean Conference and Exhibition on Power Generation, Transmission, Distribution and Energy Conversion, Agia Napa, Cyprus, 7-10 November 2010	Honorary Co-Chairman
Nov. 2010	Electricity 2010 – The Annual Convention of the Society of Electrical and Electronics Engineers in Israel, Eilat, Israel, 17-20 November 2010	<ul style="list-style-type: none"> <li>• Member of Academic Committee</li> <li>• Session Chair: Renewable Energy Regulation</li> <li>• Panelist – interactive panel discussion – Engineering Education</li> </ul>
Jan. 2011	Israel Machine Vision Conference & Exhibition (IMVC 2011), Lod, Israel, 19 January 2011	Member of Steering Committee
Jan. 2011	The 2nd Industry-Academia Conference – Inventiveness Directed Towards Industry, Ort Braude College of Engineering, Karmiel, Israel, 25 January 2011	Session Chair: Academia Directed Towards Industry 2
Apr. 2011	"Life Needs Power-2011", Hannover Messe 2011, Hannover, Germany, 6 April 2011	Invited Talk: "Smart Grid – From Consumer to Prosumer" (Smart Grid panel discussion)
July 2011	"Green Smart Car Conference" in the framework of CleanTech 2011 (15th International Summit and Exhibition for Renewable Energy and Water Technologies, Recycling and Environmental Quality, Infrastructure and Green Building), Tel-Aviv, Israel, 6 July 2011	Invited Talk: "Advanced fuel tanks for use in motor vehicles" (תאי דלק מתקדמים לשימוש בתחבורה המנועית)

**D. ACTIVITIES, contd.**

<b>Period(dates)</b>	<b>Name of Institution/Journal/ Conference (city, country)</b>	<b>Rank/Function</b>
July 2011	Optical Engineering 2011, H.I.T, Holon, Israel, 21 July 2011	Conference Chairman and Session Chair/Moderator: Non-Imaging Optics
July 2011	Engineering Council Meeting of The Society of Electrical and Electronic Engineers in Israel (SEEEI) - "Solar Electricity", Dalton, Israel, 29 July 2011	Invited Talk: "Solar cells"
October 2011	Israel Sustainable Energy Society - ISES Annual Meeting, Tel-Aviv, Israel, 5 October 2011	Session Chair - PV
October 2012	Israel Sustainable Energy Society – ISES Annual Meeting, Tel-Aviv, Israel, 17 October 2012	Session Chair – Solar Systems
October 2012	The 32nd Israeli Conference on Mechanical Engineering (ICME 2012), Tel-Aviv, Israel, 17-18 October 2012	Session Chair - Solar Systems (ISES)
October 2012	The 2012 Israel Energy and Business Convention, Ramat Gan, Israel, 28-29 October 2012	Parallel Session: Smart Grid – Speaker in Panel
May 2013	The Israeli Start-Up Conference, Tel-Aviv, Israel, 7 May 2013	Invited Talk: Academic entrepreneurship to improve applicative research in colleges (יזמות אקדמית להשבחת הערך של מחקר יישומי)
Oct. 2013	Electricity 2013 – Jerusalem International Convention for Innovation and Business Development in Electricity and Energy, Jerusalem, Israel, 23-25 October 2013	<ul style="list-style-type: none"> <li>• Member of Academic Committee</li> <li>• Session Chair: Smart Grid II</li> <li>• Panelist – interactive panel discussion – Smart Grid</li> </ul>
2013	Scientific Journal Facta Universitatis, Series: Electronics and Energetics, Republic of Serbia	Member of Editorial Board
Feb. 2014	Optical Engineering 2014, ORT Hermelin College, Netanya, Israel, 26 February 2014	<ul style="list-style-type: none"> <li>• Conference Chairman</li> <li>• Moderator - interactive panel - Fiber to the Home</li> </ul>
Nov. 2014	9th Mediterranean Conference on Power Generation, Transmission, Distribution and Energy Conversion (MedPower 2014), Athens, Greece, 2-5 November 2014	Honorary Co-Chairman of session: Enabling Technologies for Wireless Charging of Electric Vehicles
Nov. 2014	Engineering Council Meeting of The Society of Electrical and Electronic Engineers in Israel (SEEEI) – Cyber Security of the Electric Network", Hasharon Hotel, Herzlia, Israel, 7 November 2014	Panel Chairman: Network Security



**D. ACTIVITIES, contd.**

<b>Period(dates)</b>	<b>Name of Institution/Journal/ Conference (city, country)</b>	<b>Rank/Function</b>
Nov. 2014	A one-day Conference and Workshop on Carbon Nanotubes: Scientific Background and Prospects for Industrial Applications, Bar-Ilan University, Ramat Gan, Israel, 13 November 2014	Session Chair: Electrical and Thermal Applications of Carbon nanotubes
Dec. 2014	28th Convention of Electrical and Electronics Engineers in Israel (Electricity 2014), Eilat, Israel, 3-5 December 2014	<ul style="list-style-type: none"> <li>• Member of Scientific Committee</li> <li>• Session Chair: Electron Devices and Aerospace Systems</li> </ul>
Dec. 2015	Electricity 2015, The 16th Annual SEEEI International Convention, Eilat, Israel, 2-5 December 2015	<ul style="list-style-type: none"> <li>• Member of Advisory Committee</li> <li>• Session Chair: Innovative Trends – TAM-2</li> </ul>
May 2016	IEEE-EDS Meeting Series, Grenoble, France, 28 May 2016	<ul style="list-style-type: none"> <li>• IEEE-EDS Israel Chair</li> <li>• Summary of IEEE-EDS activities</li> </ul>
June 2016	2016 2nd International Conference on Intelligent Green Building & Smart Grid (IGBSG), Prague, Czech Republic, 27-29 June 2016	<ul style="list-style-type: none"> <li>• Keynote Lecture – Invited Talk</li> </ul>
Nov. 2016	Electricity 2016, The 17th Annual SEEEI International Convention, Eilat, Israel, 9-11 November 2016	<ul style="list-style-type: none"> <li>• Member of Advisory Committee</li> <li>• Session Chair: Smart Grids – TPM-3</li> </ul>
Apr. 2016	SEEEI Meeting 2017 – Renewable Energies in Israel, Tel-Aviv, Israel, 3 April 2017	<ul style="list-style-type: none"> <li>• Member of Technical Program Committee</li> <li>• Panel Chair</li> </ul>

**Exclusive Invitation**

Professor Golan has received an invitation from the WSF President to participate at the 2011 World Science Forum – The Fifth World Science Forum (WSF), which will take place in Budapest, Hungary, 17-19 November 2011. Participation is by invitation only and free of charge, the costs covered by WSF. WSF is a bi-annual event initiated and organized by the Hungarian Academy of Sciences in co-operation with the United Nations Educational Scientific and Cultural Organization (UNESCO), the International Council for Science (ICSU), the American Association for the Advancement of Science (AAAS), and the European Academies Science Advisory Council (EASAC).

**E. ACTIVE PARTICIPATION IN SCIENTIFIC MEETINGS**

<b>Year</b>	<b>Name of Meeting (city, country)</b>
1983	Thin Film Conference, Jerusalem, Israel
10.1985	Annual Meeting of the Optical Society of America, Washington, DC USA
1985	Thin Film Conference, Beer Sheba, Israel
4.1986	Thin Film Conference, Weizmann Institute, Rehovot, Israel
4.1987	7th General Conference of the Condensed Matter Division, Pissa, Italy
3.1988	8th Israeli Vacuum Congress, Technion, Haifa, Israel
10.1988	Annual Meeting the Ultrasonic Symposium, Chicago, USA

**E. Active participation in scientific meetings, contd.**

<i>Year</i>	<i>Name of Meeting (city, country)</i>
3.1989	16th Convention of IEEE, Tel-Aviv, Israel
4.1989	9th Israeli Vacuum Conference, Bar-Ilan, Israel
12.1989	The French-Israeli Symposium on Advanced Topics in Telecommunication, Dan-Acadia, Herzlia, Israel
5.1990	10th Israeli Vacuum Conference, Hebrew University, Jerusalem, Israel
5.1990	44th Frequency Control Symposium, Baltimore, USA
5.1991	17th Convention of IEEE, Ramat Gan, Israel
5.1991	45th Frequency Control Symposium, Los Angeles, USA
4.1992	12th Israeli Vacuum Conference, Weizmann Institute, Rehovot, Israel
7.1992	Seminar at Holon Academic Institute of Technology (now HIT - Holon Institute of Technology) Israel
3.1993	The 10th Israeli Computers and Education Conference, Kfar Macabiya, Ramat Gan, Israel
5.1993	The 8th International Conference Information Technologies (INFO-93), Hilton, Tel-Aviv, Israel
2.1994	The Geological Society of Israel Annual Meeting, Nof Genosar, Genosar, Israel
3.1994	The 11th Israeli Computers and Education Conference, Exhibitions Centre, Tel-Aviv, Israel
3.1994	The 1994 Symposium on Medical Physics and Medical Instrumentation, Jerusalem College of Technology, Jerusalem, Israel
5.1994	The 9th International Conference Information Technologies (INFO-94), Kfar Macabiya, Ramat Gan, Israel
6.1994	The 127th Acoustical Society of American Annual Meeting, MIT, Cambridge, MA, USA
2.1995	The 11th Israeli Computers and Education Conference, Hebrew University, Jerusalem, Israel
2.1995	The Scanning Electron Microscope Conference, CTEH, Holon, Israel
3.1995	The 18th Convention of Electrical and Electronics Engineers in Israel, Tel-Aviv, Israel
4.1995	IEEE-EDS (Electron Devices Society), CTEH, Israel
4.1995	The 5th Annual Meeting Judea and Samaria Research Studies, College of Judea and Samaria, Ariel, Israel
6.1995	The Annual Meeting of the Israeli Society for Microscopy (ISM), CTEH, Holon, Israel
7.1995	The 14th European Conference on Operational Research (EURO XIV), CTEH, Israel
9.1995	2nd International Conference on Photo-Excited Processes and Applications, Jerusalem ICPEPA, Israel
12.1995	The 15th Israeli Vacuum Society Annual Meeting, Bar-Ilan University, Israel
12.1995	The Expert Council of Scientists-Olim, Ramat Gan, Israel
1996	The 30th Annual Meeting of the Israeli Society for Microscopy (ISM), Technion, Haifa, Israel
1.1996	The 2nd Jerusalem International Science and Technology Education Conference on Technology Education for a Changing Future: Theory, Policy and Practice, Ramada Renaissance, Jerusalem, Israel
4.1996	AGIL-96, 1st Conference of the Israeli Materials Society, Natanya, Israel
6.1996	International Workshop on Intelligent Scheduling of Robots and (WISOR '96), in the framework of 15th European Conference on Operational Research (EURO XV), CTEH, Israel
11.1996	The 19th Convention of Electrical and Electronics Engineers in Israel, Jerusalem, Israel

**E. Active participation in scientific meetings, contd.**

<i>Year</i>	<i>Name of Meeting (city, country)</i>
12.1996	The 1996 Annual Conference of the Israel Association for Crystal Growth, Jerusalem, Israel
1997	The 31st Annual Meeting of the Israeli Society for Microscopy, Hebrew University, Jerusalem, Israel
4.1997	The 5th Annual Symposium on Medical Physics and Medical Instrumentation, Jerusalem College of Technology, Jerusalem, Israel
4.1997	12th International Conference (INFO-97), Hilton, Tel-Aviv, Israel
6.1997	Working Conference on Electronic Commerce, Metsovo, Greece
5.1997	9th Mediterranean Electrotechnical Conference - MELECON 98, Dan Panorama, Tel-Aviv, Israel
9.1997	The 21st International Conference on Microelectronics (MIEL '97), Yugoslavia
12.1997	17th Israel Vacuum Society (IVS) Conference, Tel-Aviv University, Israel
4.1998	Science and Technology of Nanostructures (STN-98), Weizmann Institute, Rehovot, Israel
5.1998	IEEE 9th Mediterranean Electrotechnical Conference (Melecon 98), Dan Panorama, Tel-Aviv, Israel
6.1998	The 32nd Scientific Meeting of the Israel Society for Microscopy, Holon, Israel
11.1998	1st Mediterranean Conference on Power Generation, Transmission and Distribution (Med-Power 98), Nicosia, Cyprus
11.1998	AGIL-98 – 2nd Conference on Material Sciences and Technologies, Kfar Hamacabia, Ramat Gan, Israel
3.1999	45th Annual Meeting of Israel Physical Society, Tel-Aviv University, Israel
4.1999	The 7th Jerusalem Symposium on Medical Physics and Medical Instrumentation, College of Technology, Jerusalem, Israel
6.1999	The 33rd Annual Conference of the Israeli Society for Microscopy – ISM, Bar-Ilan University, Israel
9.1999	22nd International Conference on Microelectronics, Nish, Yugoslavia
11.1999	The 18th Israel Vacuum Society (IVS) Conference, Weizmann Institute, Rehovot, Israel
4.2000	IEEE-21, Dan Panorama, Tel-Aviv, Israel
5.2000	22nd International Conference on Microelectronics - MIEL 2000, Nish, Yugoslavia
5.2000	10th Mediterranean Electrotechnical Conference – MELECON 2000, Cyprus
5.2000	The 34th Israel Society of Microscopy (ISM) Meeting, Beer Sheba, Israel
5.2000	IEEE 22nd International Conference on Microelectronics (MIEL-2000), Nish, Yugoslavia
6.2000	Israeli Vacuum Society (IVS-2000) HAIT, Holon, Israel
11.2000	AGIL - 3rd Conference on Material Sciences and Technologies, Dan Panorama, Jerusalem, Israel
11.2000	2nd Mediterranean Conference on Power Generation, Transmission and Distribution (Med Power 2000), Herzlia, Israel
12.2000	Annual Israeli Association for Crystal Growth (IsACG) Meeting, Weizmann Institute of Science, Rehovot, Israel
5.2001	International Workshop: Quantum Processes and Modern Electronics, Holon Institute of Technology, Israel
6.2001	The 20th Israel Vacuum Society (IVS-2001) Conference, Tel-Aviv University, Israel

**E. Active participation in scientific meetings, contd.**

<i>Year</i>	<i>Name of Meeting (city, country)</i>
11.2001	IEE Annual Meeting – Ruppin School of Engineering, Israel
2.2002	The 10th Israel Materials Engineering Conference (IMEC 10), Hyatt Regency Hotel, Dead Sea, Silbid Ltd., and HAIT, Holon, Israel
3.2002	5th Israeli Conference on Plasma Science and Applications, Weizmann Institute, Rehovot, Israel
5.2002	IEEE 23rd International Conference on Microelectronics – MIEL, Nish, Yugoslavia
11.2002	3rd Mediterranean Conference on Power Generation, Transmission and Distribution (Med Power 2002), Athens, Greece
11.2004	4th Mediterranean Conference on Power Generation, Transmission and Distribution (Med Power 2004), Lemesos, Cyprus
9.2005	The 2005 E-MRS Fall Meeting, Symposium F, 5-9 Sept. 2005, Warsaw, Poland
3.2006	The 12th Israeli Materials Engineering Conference (IMEC 2006), Paradise Negev Hotel, Beer Sheva, Israel, 1 March 2006  Poster presentation: Permanent connection of polycrystalline SiC with Fe in vacuum" (V. Manevych, A. Axelevitch, I. Lapsker, B. Gorenstein, G. Golan) Poster 81, p.203 - non-refereed
3.2006	9th Israeli Conference on Plasma Science and Applications, Ein-Gedi, Israel Poster presentation: Magnetic field influence in magnetron sputtering process (A. Axelevitch, B. Gorenstein, V. Manevych, G. Golan)
3.2006	France-Israel Symposium on Diamond, Carbon Nano-structures and Related Materials, Hod Hotel, Ein Bokek, Israel Poster presentations: Carbon structures nuclei formation by the hydrocarbon liquid explosion (O. Jartovskiy, V. Manevych, A. Axelevitch, I. Lapsker, G. Golan) Carbon nano-tubes synthesis by electrical discharge in liquid (A. Axelevitch, V. Manevych, I. Lapsker, G. Makrinich, B. Gorenstein, I. Hadad, G. Golan)
4.2006	6th International Workshop on Epitaxial Semiconductors on Patterned Substrates and Novel Index Surfaces (ESPS-NIS), Nottingham, UK, 3-5 April 2006 Poster presentation: Si-C multi-layer quasi-crystals preparation by DC magnetron sputtering (G. Golan A. Axelevitch, B. Gorenstein)
6.2006	The European Materials Conference, European Materials Research Society Spring Meeting (E-MRS UMRS ICEM 2006), Strasbourg, France, 29 May-2 June 2006
9.2006	5th International Conference on Photo-Excited Processes and Applications, ICPEPA, Charlottesville, Virginia, USA Poster presentation: Indium oxide sputtering for opto-electronic applications (A. Axelevitch, G. Golan, B. Gorenstein)
10.2006	25th IVS Annual Conf. and Technical Workshop, Tel-Aviv, Israel Poster presentations: Carbon structures formation by the explosive pyrolysis of hydrocarbon liquids (V. Manevych, A. Axelevitch, I. Lapsker, G. Golan, G. Makrinich, A. Fruchtman, O. Jartovskiy, D. Mogilyanskii) Investigation of charge distribution in NROM memory cell while switching (A. Dvash, A. Axelevitch, G. Golan) Recent improvements in Vacuum Photothermal Processing (VPP) (A. Axelevitch, V. Manevych, I. Lapsker, B. Gorenstein, G. Golan)
3.2007	10th Israeli Conference on Plasma Science and Applications, Beer Sheva, Israel Poster presentation: Tungsten deposition by hot-wire PECVD (A. Axelevich, S. Menahem, B. Gorenstein, I. Lapsker, G. Golan)

**E. Active participation in scientific meetings, contd.**

<i>Year</i>	<i>Name of Meeting (city, country)</i>
4.2007	1st Israeli Entrepreneurship and Innovation Management – EIM 2007 – Holon Institute of Technology, Holon, Israel, 17 April 2007 Oral presentation: Systematic inventive thinking Analysis of a start-up company as a test case
4.2008	International Workshop on Recent Advances of Low Dimensional Structures and Devices (LDSD), Nottingham, UK Poster presentation: Novel silicon high sensitive photonic sensor (A. Axelevitch, G. Golan)
5.2008	26th International Conference on Microelectronics (MIEL 2008, Niš, Serbia, 11-14 May 2008 Oral presentation: Efficiency evaluation of thin-film hetero-junction solar cells (G. Golan, A. Axelevitch)
10.2008	27th IVS Annual Conference and Technical Workshop, Herzliya, Israel, 30 October 2008 Poster presentation: In-situ semiconductor film doping by plasma sputtering (A. Axelevitch, B. Gorenstein, R. Danziger, M. Kalderon, G. Golan)
11.2008	MedPower 08 - 6th Mediterranean Conference and Exhibition on Power Generation, Transmission, Distribution and Energy Conversion, Thessaloniki, Greece, 2-5 November 2008 Oral presentation: Low cost silicon solar cells using metallic oxide films (G. Golan, A. Axelevitch)
12.2008	Electricity Conference 2008, Eilat, Israel, 3-6 December 2008 Oral presentation: Trends in Photovoltaic (PV) technologies (G. Golan, A. Axelevitch)
12.2008	54th Israel Physical Society – IPS Annual Conference and Technical Workshop, Beer Sheba, Israel, 28 December 2008 Poster presentation: Photovoltaic laboratory tester (S. Aburmad, M. Farkash, A. Axelevitch G. Golan)
2.2009	The 11th Israeli Conference on Plasma Science and Applications, Jerusalem, Israel, 1 February 2009 Poster presentation: Investigation of Ge thin films deposited by oblique angle sputtering (A. Axelevitch, Y. Belchenko, G. Volman, B. Gorenstein, I. Lapsker, G. Golan)
5.2009	Annual Lighting Conference 2009 and Society for Information Display – SID, Tiberias, Israel, 13-15 May 2009 Oral presentation: Micro-D Ltd. – Flat and flexible LCD display
6.2009	The European Materials Conference E-MRS 2009 Spring Meeting, Symposium H, Strasbourg, France, 8-12 June 2009 Poster presentation: Investigation of thin solid ZnO films prepared by sputtering (A. Axelevitch, B. Gorenstein, H. Darawshe, G. Golan)
9.2009	International Solar Energy Society – Israel Sustainable Energy Society, ISES Annual Meeting, Rehovot, Israel, 9 September 2009 Oral presentation: Preparation and investigation of silicon PIN solar cells (A. Axelevitch, A. Wisnebeek, Z. Gavrilman, B. Gorenstein, G. Golan)
10.2009	28th Israel Vacuum Society Annual Conference and Technical Workshop, Herzlia, Israel, 15 October 2009 Poster presentation: Nanostructured vanadium oxide films in silicon solar cells (G. Golan, A. Axelevitch)
12.2009	The 14th Israel Materials Engineering Conference (IMEC 14), Tel-Aviv, Israel, 13-14 December 2009 Poster presentation: A laboratory diffusion method for preparation of silicon solar cells from p-Type scrap wafers (A. Axelevitch, B. Gorenstein, G. Golan)

**E. Active participation in scientific meetings, contd.**

<i>Year</i>	<i>Name of Meeting (city, country)</i>
1.2010	The 12th Israeli Conference on Plasma Science and Applications, Haifa, Israel, 25 January 2010 Poster presentation: Synthesis of Zn based nano-structures by DC sputtering (A. Axelevitch, B. Gorenstein, G. Golan)
1.2010	Israel Machine Vision Conference (IMVC) 2010, Lod, Israel, 28 January 2010 Poster presentations: Database-less authentication through face image (G. Barnhart-Magen, A. Meron, G. Golan) 3D face reconstruction for traceless biometrics (A. Meron, G. Barnhart-Magen, G. Golan) Active contour – Generalization of the snake model (A. Meron, G. Barnhart-Magen, G. Golan)
5.2010	27th International Conference on Microelectronics (MIEL 2010), Niš, Serbia, 16-19 May 2010 Oral presentation: Electrical transport mechanism in VO <sub>2</sub> thin films (G. Golan, A. Axelevitch)
5.2010	4th Conference – Initiatives for the Advancement of Learning in Institutions of Higher Learning: Development of Thought Process in Students, Haifa, Israel, 27 May 2010 Oral presentation: The target: Creation of leadership, advancing technology
7.2010	1st Conference – Optical Engineering 2010, Jerusalem College of Technology, Jerusalem, Israel, 27 July 2010 Oral presentation: Biometric identification with no database, according to face image (G. Barnhart-Magen, A. Meron, G. Golan)
8.2010	18th International Vacuum Congress (IVC-18), Beijing, China, 23-27 August 2010 Oral presentation: Investigation of anomalous optical transmission in thin metal films (A. Axelevitch, B. Gorenstein, G. Golan)
9-10.2010	International Conference on Solar Heating, Cooling and Buildings (EuroSun 2010), Graz, Austria, 28 September-1 October 2010 Poster presentation: Preparation of high efficient solar absorbers by low-pressure sputtering (A. Axelevitch, G. Golan, B. Gorenstein)
10.2010	International Solar Energy Society – Israel Sustainable Energy Society, ISES Annual Meeting, Rehovot, Israel, 6 October 2010 Oral presentation: Investigation of thin Sn films deposited by various PVD methods (A. Axelevitch, B. Gorenstein, G. Golan)
10.2010	MedPower 2010 – 7th Mediterranean Conference and Exhibition on Power Generation, Transmission, Distribution and Energy Conversion, Agia Napa, Cyprus, 7-10 November 2010 Oral presentation: Advances of P-I-N photovoltaic structures (G. Golan, A. Axelevitch)
11.2010	Electricity 2010 – The Annual Convention of the Society of Electrical and Electronics Engineers in Israel - SEEEL in cooperation with IET Israel, Eilat, Israel, 17-20 November 2010 Oral presentation: Trends in Si solar cells (G. Golan, A. Axelevitch)
1.2011	Israel Machine Vision Conference & Exhibition (IMVC 2011), Lod, Israel, 19 January 2011 Poster presentation: 3D face reconstruction for traceless biometrics (A. Meron, G. Golan)
1.2011	The 2nd Industry-Academia Conference - Inventiveness Directed Towards Industry, Ort Braude College of Engineering, Karmiel, Israel, 25 January 2011 Oral presentation: Academia and industry – Aspects one way or another
2.2011	The 13th Israeli Conference on Plasma Science and its Applications, Ariel, Israel, 10 February 2011 Poster presentation: Comparison of various PVD methods for thin metal films deposition (A. Axelevitch, B. Gorenstein, G. Golan)

**E. Active participation in scientific meetings, contd.**

<i>Year</i>	<i>Name of Meeting (city, country)</i>
3.2011	The 13th Meeting on Optical Engineering and Science in Israel – 3rd OASIS, Ganei Hatarucha, Tel-Aviv, Israel, 9 March 2011 Poster presentation: Simulation study of built-in electric field in lateral P-I-N silicon structure (Y. David, G. Golan, A. Axelevitch)
5.2011	The 1st Israeli Power Sources Batteries and EV Conference, Herzliya, Israel, 19 May 2011 Oral presentation: Novel self-regulated H <sub>2</sub> generator for portable fuel cells
6.2011	29th Israel Vacuum Society Annual Conference and Technical Workshop, Herzliya, Israel, 6 June 2011 Poster presentation: Highly stable and accurate sun follower system (Renewable Energy Session) (A. Axelevitch, E. Bloch, A. Dashevsky, G. Golan)
7.2011	Optical Engineering 2011, HIT, Holon, Israel, 21 July 2011 Oral presentation: Novel family of PIN solar cells (G. Golan, A. Axelevitch) Investigation in optical transmittance of very thin metal films (A. Axelevitch, B. Gorenstein, G. Golan) "Big brother" is watching, must he know it's you? (G. Barnhart-Magen, A. Meron, G. Golan)
9.2011	The ISES Solar World Congress 2011 (SWC 2011), Kassel, Germany, 28 August-2 September 2011 Oral presentation: Novel mono-crystalline solar cells with improved efficiency (A. Axelevitch, G. Golan)
10.2011	Israel Sustainable Energy Society - ISES Annual Meeting, Tel-Aviv, Israel, 5 October 2011 Oral presentations: HIT in the ISG – Israeli Smart Grid (Y. Beck, G. Golan) Novel multilayer solar absorber prepared by sputtering (A. Axelevitch, B. Gorenstein, G. Golan)
11.2011	The Israel-Sderot Conference on Social Issues, Sapir College, Israel, 29-30 November 2011 Oral presentation: Scientific Reserves in Israel
4.2012	2nd International Conference on Crystalline Silicon Photovoltaics, Leuven, Belgium, 3-5 April 2012 Poster presentation: Large silicon solar cells of a lateral type (A. Axelevitch, G. Golan, V. Palankovski, S. Selberherr)
9.2012	East Mediterranean Expert Workshop – Knowledge Transfer Study 2010-2012 Knowledge Transfer from Universities and Public Research Institutes: Developing Strategies, Capacities and Skills, Nicosia, Cyprus 3 September 2012 Oral presentation: A novel perspective of academic entrepreneurship (V. Holzmann, G. Golan)
10.2012	Israel Sustainable Energy Society – ISES Annual Meeting, Tel-Aviv, Israel, 17 October 2012 Oral presentation: A generic MPPT for photovoltaic cells (Y. Beck, G. Golan)
10.2012	The 32nd Israeli Conference on Mechanical Engineering (ICME 2012), Tel-Aviv, Israel, 17-18 October 2012 Oral presentation: Investigation of novel radiation energy converter (A. Axelevitch, M. Som, M. Menahem, G. Golan)

**E. Active participation in scientific meetings, contd.**

<i>Year</i>	<i>Name of Meeting (city, country)</i>
11.2012	VDE – Congress 2012: Smart Grid, Stuttgart, Germany, 5-6 November 2012 Oral presentations: Non-intrusive algorithms for smart grids and EV (Y. Beck, L. Katzir, N. Calamaro, G. Golan) DC bus concept for micro smart grids (Y. Beck, D. Medini, L. Katzir, G. Golan) Smart grid security and firmware roll back capabilities (L. Katzir, Y. Beck, G. Golan)
3.2013	SiliconPV 2013 – 3rd International Conference on Crystalline Silicon Photovoltaics, Hamelin, Germany, 25-27 March 2013 Poster presentation: Improvement of PV cell efficiency by rectifying antenna (A. Axelevitch, G. Golan)
6.2013	POWERTECH 2013, Grenoble, France, 16-20 June 2013 Poster presentation: A novel maximum power point tracking for photovoltaic systems (B. Axelrod, Y. Berkovich, G. Golan)
6.2013	3rd Conference of the International Network of Business and Management Journals (INBAM), Lisbon, Portugal, 17-19 June 2013 Oral presentation: Leadership as an accelerator for academic entrepreneurship (V. Holzmann, G. Golan)
7.2013	21st Annual International Conference on Composites or Nano Engineering (ICCE-21), Tenerife, Spain, 21-27 July 2013 Oral presentation: Properties Investigation of thin films photovoltaic heterostructures (G. Golan, A. Axelevitch, J. Azoulay)
9.2013	19th International Vacuum Congress (IVC-19), Paris, France, 9-13 September 2013 Oral presentation: Application of gold nano-particles for silicon solar cells efficiency increasing (A. Axelevitch, B. Gorenstein, G. Golan)
10.2013	The 4th European Innovative Smart Grid Technologies (ISGT), Lyngby, Denmark, 6-9 October 2013 Poster presentation: Diagnostics capabilities of various electrical anomalies in smart grid (Y. Beck, N. Calamero, L. Katzir, G. Golan)
10.2013	Israel Sustainable Energy Society Annual Meeting (ISES-2013), Haifa, Israel, 7 October 2013 Oral presentation: Solar cell efficiency increase using metal nano-particles (A. Axelevitch, B. Gorenstein, G. Golan)
10.2013	Electricity 2013 – Jerusalem International Convention for Innovation and Business Development in Electricity and Energy, Jerusalem, Israel, 23-25 October 2013 Oral presentation: A micro-grid campus demonstrator to enhance reliability and sustainability (G. Golan, Y. Beck)
2.2014	Optical Engineering 2014, ORT Hermelin College, Netanya, Israel, 26 February 2014 Oral presentation: Novel high efficiency solar cells with junction-embedded nano-dots (G. Golan, A. Axelevitch)
7.2014	IEEE International Energy Conference ENERGYCON 2014, Dubrovnik, Croatia, 13-16 May 2014 Oral presentation: A novel principle of maximum power point tracking for photovoltaic systems (B. Axelrod, Y. Beck, Y. Berkovich, G. Golan)
11.2014	9th Mediterranean Conference on Power Generation, Transmission, Distribution and Energy Conversion (MedPower 2014), Athens, Greece, 2-5 November 2014 Oral presentation: Feature extraction for load identification by means of CPC in smart grid (Y. Beck, N. Calamero, G. Golan, A. Braunstein)



**E. Active participation in scientific meetings, contd.**

<i>Year</i>	<i>Name of Meeting (city, country)</i>
11.2014	COST Action MP1004 Meeting "Hybrid Energy Storage Solutions for Mobile and Stationary Applications", in conjunction with the Eilat-Eilat Green Energy Conference, Tel-Aviv Israel, 7-10 November 2014 Oral presentation: The Smart campus project (G. Golan)
12.2014	28th Convention of Electrical and Electronics Engineers in Israel (Electricity 2014), Eilat, Israel, 3-5 December 2014 Oral presentations: Novel lateral mobility in silicon solar cells (G. Golan, A. Axelevitch) The Smart campus project (G. Golan)
12.2014	COST Action MP1004 "Hybrid Energy Storage Solutions for Mobile and Stationary Applications", in conjunction with the Eilat-Eilat Green Energy Conference, Tel-Aviv, Israel, 7-10 December 2014 Oral presentation: The Smart campus project (G. Golan)
6.2016	2016 2nd International Conference on Intelligent Green Building & Smart Grid, Prague, Czech Republic, 27-29 June 2016 Oral presentation: A small-scale smart grid demonstrator to enhance reliability and sustainability (G. Golan, Y. Beck) [Keynote Lecture]
11.2016	2016 ICSEE International Conference on the Science of Electrical Engineering, Eilat, Israel, 16-18 November 2016 Oral presentation: Novel method of optimization of losses in power grid (Z. Müller, M. Müller, V Tuzikova, J. Tlustý, M. Čerňan, Y. Beck, G. Golan)

**F. ACADEMIC AND PROFESSIONAL AWARDS**

(Prizes, fellowships, grants, scholarships, etc.)

<b>Year</b>	<b>Name of Institution (city, country)</b>	<b>Occasion</b>
1984-90	Tel-Aviv University, Israel	The Dean Prize for student achievements in studies
1987	Open University of Israel	The "Rowe Scholarships" grant to attend 7th Gen. Conf. of Condensed Matter Division, Pisa, Italy
1987, 88	Tel-Aviv University, Israel	Grant of the "Israeli Fellowship for Technical Education in Electronics & Computers" for excess teaching enhancement
1988	Technion, Haifa, Israel.	Best presentation competition prize at the 8th Israeli Vacuum Congress
1988	IEEE Ultrasonics, Ferroelectrics and Frequency Control Society, Chicago, USA	The "Student's Travel Assistance" grant to attend 1988 Ultrasonics Symposium in Chicago, USA
1988	Open University of Israel	The "Rowe Scholarships" grant to attend the 1988 Ultrasonics Symposium in Chicago, USA

**F. Academic and professional awards, contd.**

(Prizes, fellowships, grants, scholarships, etc.)

<b>Year</b>	<b>Name of Institution (city, country)</b>	<b>Occasion</b>
1989	Bar-Ilan University, Ramat-Gan, Israel.	1st student's prize for excellence at the 9th Israeli Vacuum Congress
1992	Open University of Israel	The "Rowe Scholarship" grant to attend an INFN research period in Milano, Italy
1993	British Council, Israel	Awarded the British Council "Foreign and Commonwealth Office - Open University" Scholarship to undertake a research in Acoustic Microscopy at the University College, London, UK
1993	University College, London, UK	The "Rowe Scholarships" grant to attend University College
1994	British Council, Israel	Awarded the British Council "Foreign and Commonwealth Office - Open University" Scholarship to undertake a research in Scanning Acoustic Microscopy at University College, London, UK
1994	Open University of Israel	The "Rowe Scholarships" grant to undertake a research in Scanning Acoustic Microscopy at University College, London, UK
1994	Herriot-Watt University, Edinburgh, Scotland	The "Electron Scotland, UK Device Society - IEEE" grant to attend the 2nd annual meeting of the "EDS Region 8 Chapters Meeting
1995	Hague, Netherlands, IEEE – EDS Electronic Device Society	The "Electron Device Society" grant to attend the 3rd Annual Meeting of EDS Region 8 Chapters Meeting
1996	1st AGIL-96 Congress , Natanya, Israel	Best presentation Israel prize for excellence for "Novel magnetic controlled plasma sputtering method" together with A. Axelevitch and E. Rabinovitch
1996	IEE, UK	Corporate Member (MIEE) and Chartered Electrical Engineer (C.Eng)
1996	Check Rep., IEEE-EDS, Prague	The "Electron Device Society" grant to attend the 4th Annual Meeting of EDS Region 8 Chapters Meeting
1997	IEEE-EDS (Electron Device Society) Israel	Distinguished Lecturer Program
1997	IEEE-EDS, Ludwigsburg, Germany	The "Electron Device Society" grant to attend the 5th Annual Meeting of EDS Region 8 Chapters Meeting

**F. Academic and professional awards, contd.**

(Prizes, fellowships, grants, scholarships, etc.)

<b>Year</b>	<b>Name of Institution (city, country)</b>	<b>Occasion</b>
1998	IEE - C.Eng	Registration with the Engineering Council Chartered Electrical Engineer - Reg.No.482-288
1998	Valetta, Malta, IEEE	The "Executive Committee" grant to attend the annual meeting of IEE European Region Board (ERB)
1998	AGIL, Ramat Gan, Israel	The "Student – Best Award" A. Axelevich, E. Rabinovitch, R. Margulin, G. Golan "Thin film semiconductor treatment by vacuum photothermal processing"
2000	IEEE, Yugoslavia	The YU IEEE ED/SSC Chapter Award for outstanding contribution to the MIEL Conference, Nish, Yugoslavia (May 2000)
2001	IEE – The Institution of Electrical Engineers, London, UK	Fellowship
2001	American Vacuum Society, San Francisco, USA	The honor of "CONSILARIOUS"
2001/02	Department of Electrical and Electronics Engineering, Holon Institute of Technology, Holon, Israel	Distinguished Lecturer
15/1/2005 (two years)	8 participants – universities and small medium enterprises (one being ATCT Industries Ltd.)*	Research grant "ADELINE" – Advanced Air-Data Equipment for Airlines. A STREP project – 500,000 EUR (total budget 2,129,617 EUR)
1/11/2005 (two years)	58 participants – universities and small medium enterprises (one being ATCT Industries Ltd.)*	Research grant "TATEM" – Technologies and Techniques for New Maintenance Concepts. Budget – 100,000 EUR (total budget 40,000,000 EUR)
2007	The IEEE Electron Devices Society	EDS Distinguished Lecturer since 1997 in recognition and appreciation of Valued Services and Contributions
2006/07	Faculty of Engineering, Holon Institute of Technology, Holon, Israel	Distinguished Lecturer
2008/09/10	Faculty of Engineering, Holon Institute of Technology, Holon, Israel	Excellence in Teaching
2009	Israel Ministry of Industry and Trade, Office of the Chief Scientist	Tnufa Program: "Pixolar – novel solar cell technology in silicon single crystal" (G. Golan, A. Axelevitch – 2-year grant from February 2009)

\*ATCT Industries Ltd. is no longer active

**F. Academic and professional awards, contd.**

(Prizes, fellowships, grants, scholarships, etc.)

<b>Year</b>	<b>Name of Institution (city, country)</b>	<b>Occasion</b>
2010-2012 (two years)	TEMPUS (Trans-European Mobility Programme for University Studies) EFA – English For All	Investigator Grant, HIT budget: 70,000 € (Euro) (total budget 1 Million € (Euro))
2011-2014 (three years)	Magnet – ISG – Israel Smart Grid	Investigator Grant in final refereeing stage Requested HIT budget: 250,000 NIS (annually) (total budget 15 Million NIS)
2012-2015 (three years)	TEMPUS (Trans-European Mobility Programme for University Studies) IRIS – Fostering Academic International Relations in Israeli Colleges to promote education, research and innovation	Principal Investigator - PI Grant, HIT budget: 1,100,000 € (Euro)

**G. MEMBERSHIP IN PROFESSIONAL SOCIETIES**

<b>Year</b>	<b>Society (country)</b>
1984	IPS - Israel Physical Society
1984-98	IVS - Israel Vacuum Society
1986-present	IEEE - Institute of Electrical and Electronic Engineers - Electron Device Society (EDS) - Senior Member IEEE-EDS Educational Activities Committee (1996-present)
1994-present	ISM - Israel Society for Microscopy
1995-present	IEE - Inst. of Electrical Engineering U.K.
1996-2000	EDS Administrative Committee (AdCom)
2001-2002	IEE Council, UK – Council Member
2011-2012	ISES – Member of Management
9/2011-present	SID – Society for Information Display – Senior Member

**H. STUDENTS SUPERVISED BY CANDIDATE****H1. DOCTORAL STUDENTS**

<b>Year</b>	<b>Name of Student</b>	<b>Title of Thesis</b>	<b>Name of Academic Institution</b>
1999-2002	Alexander Axelevitch	Developing of Advanced Sputtering Methods	Tel-Aviv University (with Prof. Y. Rosenwaks)

**H2. M.A./M.Sc. STUDENTS**

<b>Year</b>	<b>Name of Student</b>	<b>Title of Thesis</b>	<b>Name of Academic Institution</b>
		NONE	

**H3. GRADUATE 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**

<b>Year</b>	<b>Name of Student</b>	<b>Academic Degree</b>	<b>Title of Final Project</b>	<b>Name of Academic Institution</b>
4/2011	Doron Shavit	M.Sc.	Novel Real Time Hierarchical Smart Grid Control and Management Model	Holon Institute of Technology
4/2011	Yoav Weiss	M.Sc.	Development of Fuel Control and Measurement Logic Control for Civilian A/C using Matlab	Holon Institute of Technology
4/2011	Liran Ashkenazi	M.Sc.	Development of Engine Logic Control Laws for UAV using Matlab	Holon Institute of Technology
4/2011	Arie Goldstein	M.Sc.	Design of Digital Phased Array Air Traffic Control Radar	Holon Institute of Technology

**PUBLICATIONS****B. TEXTBOOKS**

1. ג. גולן  
"אלקטרוניקה II-תרגילים ופתרונותיהם" (20339)  
בהוצאת האוניברסיטה הפתוחה,  
222 עמודים, 1987.
2. א. בר-לב, ג. גולן  
"מוליכים למחצה" - 20402, קורס אקדמי במחלקה למדעי הטבע של האוניברסיטה הפתוחה.  
הקורס מתבסס על ספרו האנגלי של א. בר-לב בהוצאת PRENTICE HALL.  
360 עמודים, ספטמבר 1996
3. א. בר-לב, ג. גולן  
"התקני מוליכים למחצה ומיקרואלקטרוניקה" - 20403, קורס אקדמי  
במחלקה למדעי הטבע של האוניברסיטה הפתוחה.  
הקורס מתבסס על ספרו האנגלי של א. בר-לב בהוצאת PRENTICE HALL.  
604 עמודים, פברואר 2000
4. ג. גולן  
"עולם החשמל והאלקטרוניקה"  
האוניברסיטה הפתוחה  
כרך ג, מעבדה, פרקים 11-12  
96 עמודים, מאי 2006

**C. REFEREED ARTICLES  
(published)**

1. Golan, G. Griffel, S. Ruschin, A. Seidman, N. Croitoru  
"Expression for the number of acoustic Love modes and  
their cut-off conditions in stratified structures"  
IEEE Trans. on Ultrasonics and Ferroelectrics  
UFFC-34(1), 1987 (17-21)
2. G. Griffel, G. Golan, S. Ruschin, A. Seidman, N. Croitoru  
"Modal analysis and cut-off conditions of multichannel SAW structures"  
IEEE Trans. on Ultrasonics and Ferroelectrics  
UFFC-35, 1988 (503-510)
3. G. Golan, G. Griffel, A. Seidman, N. Croitoru  
"Surface acoustic wave voltage controlled directional couplers"  
Physica Scripta, 38, 1988 (534-538)
4. G. Golan, G. Griffel, A. Seidman, N. Croitoru  
"Distributed feedback guided SAW microresonators"  
J. of Appl. Phys. 66(3), 1989 (1428-1434)
5. G. Golan, G. Griffel, A. Seidman, N. Croitoru  
"Novel types of guided SAW micro-reflectors; Performance analysis and simulations"  
J. of Appl. Phys. 67(11), 1990 (6675-6681)
6. G. Golan, G. Griffel, A. Seidman, N. Croitoru  
"Grating-assisted SAW directional couplers"  
J. of Appl. Phys. 70(1), 1991(46-52)

**C. Refereed articles, contd.**

7. I. Charuvy, M. Zilberstein, G. Golan, A. Seidman, N. Croitoru  
"High Transfer Efficiency SAW Directional Couplers"  
J. Appl. Phys., 72(12), 1992 (5561-5564)
8. ר. אביב וגדי גולן  
"הוראה מרחוק בסיוע תקשוב: הלכה ומעשה"  
מחשבים בחינוך - כתב עת לטכנולוגיה מתקדמת בחינוך  
גליון 27, ע"מ 3-20, אוקטובר 1993.
9. G. Golan, A. Kenyon, G. Griffel, C.W. Pitt  
"Thermo-Acoustic effects on images for high resolution scanning acoustic microscopy"  
Electronic Letters, 30, 1994 (127-128)
10. G. Golan, A. Kenyon, G. Griffel, C.W. Pitt  
"Thermal effects in scanning acoustic microscopy for fine resolution applications"  
IEEE Transactions on Ultrasonics Ferroelectrics and Frequency Control  
UFFC-441, No.4, 1994 (565-568)
11. G. Golan, A. Axelevich, E. Rabinovitch  
"Modified magnetic controlled plasma sputtering method"  
Vacuum, 47(9), 1996 (1081-1083)
12. G. Golan, A. Axelevich, E. Rabinovitch  
"Bilayer structure of Pd-Al<sub>2</sub>O<sub>3</sub> for U.V. vidicon applications"  
Thin Solid Films, 283, 1996 (235-238)
13. G. Golan, C.W. Pitt  
"Novel imaging methods in scanning acoustic microscopy"  
Applied Surface Science, 106, 1996 (491-497)
14. G. Golan, S. Amirhaghi, C.W. Pitt  
"Piezoelectric coefficients in wide gap II-VI semiconductors"  
Properties of wide bandgap II-VI semiconductors  
Edited by R. Bhargava, Electronic Materials Information Service (EMIS) of IEE  
An INSPEC publication, 1996 (23-26)
15. I. Grav, G. Griffel, Y. Daou, G. Golan  
"Structural and dynamic analysis of ultra short intracavity directional coupler"  
J. of the European Optical Society Part A: Pure and Applied Optics  
6, 1997 (61-66)
16. G. Golan, A. Axelevitch  
"Ring etching zones on magnetron sputtering targets"  
Thin Solid Films, 300, 1997 (72-77)
17. G. Golan, E. Rabinovitch, A. Axelevitch, L. Klibanov, A. Seidman, N. Croitoru  
"Microhardness analysis of diamond like carbon films"  
Diamond Films and Technology, 7(4), Scientific Publishing Division of NYU Tokyo  
1997 (257-266)
18. R. Aviv, G. Golan  
"Pedagogical communication patterns in telelearning"  
J. of Educational Technology Systems, 26(3), 1998 (201-208)

**C. Refereed articles, contd.**

19. G. Golan, A. Axelevitch, E. Rabinovitch  
"A linear model application for the design of transparent conductive In<sub>2</sub>O<sub>3</sub> coatings"  
Microelectronics J., Elsevier Science, 29, 1998 (689-694)
20. G. Golan, A. Axelevitch, E. Rabinovitch  
"General technological modeling for the design of transparent conductive In<sub>2</sub>O<sub>3</sub> electrodes"  
J. of Vacuum Society and Technology (JVST-A), 16(4), 1998 (2614-2618)
21. A. Wyler, G. Golan  
"Scanning acoustic microscopy investigation of melted collagen in thermoplastic leather"  
J. of Materials Research, 14(6), 1999 (2446-2448)
22. G. Golan, E. Rabinovich, A. Inberg, A. Axelevitch, M. Oksman, Y. Rosenwaks,  
A. Kozlovsky, P.J. Rancoita, M. Rattaggi, A. Seidman, N. Croitoru  
"Dislocations structure investigation in neutron irradiated silicon detectors using  
AFM and microhardness measurements"  
Microelectronics Reliability, 39, 1999 (1497-1504)
23. G. Golan, A. Axelevitch, E. Rabinovitch, R. Margulin  
"Vacuum photothermal processing (VPP) for complex thin film systems curing"  
J. of Optoelectronics and Advanced Materials, 1(4), 1999 (69-80)
24. G. Golan, A. Axelevitch  
"Novel sputtering method for Pd-Al<sub>2</sub>O<sub>3</sub> U.V. transparent conductive coatings"  
Microelectronics J., 31(6), 2000 (469-473)
25. G. Golan, E. Rabinovich, A. Inberg, M. Oksman, P.G. Rancoita, M. Rattaggi,  
K. Gartsman, A. Seidman, N. Croitoru  
"Atomic force microscopy investigation of dislocation structures and  
deformation characteristics in neutron irradiated silicon detectors"  
Microelectronics J., 31(11-12), 2000 (937-944)
26. G. Golan, E. Rabinovitch, A. Axelevitch, A. Seidman, N. Croitoru  
"Thin films indentation size effects in microhardness measurements"  
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