HIT - HOLON INSTITUTE OF TECHNOLOGY

Date: 4th March 2025

Name Eugene (Evgeni) Levner Ph.D. 303437842

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

Faculty Sciences ***Department*** Computer Science

Home Address 10, Opal St., Mevaseret Tzion, Israel ***Phone No.*** 02 5832290 052 6246757

(home) (work) (mobile)

Date/place of birth 10/01/1942 Russia ***Date of arrival in Israel*** 29/12/1990

(date) (country)

ZAHAL, (Israeli) Military Service - - -

dates (enlisted) **(discharged)**

Marital Status Married ***No. of children*** 1

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A. EDUCATION

1963-1968 B.S. + M.S. in Computational Mathematics, Moscow State Lomonosov University, Moscow, USSR

1969-1973 Ph.D. in Computer and Systems Science, Central Economic-Mathematical Institute of Academy of Sciences of the USSR, Moscow, USSR.

Title of Master's Thesis: Efficient Graph Methods for Flowshop Scheduling Problems in Manufacturing Systems

Name of Supervisor: Prof. Boris T. Polyak (Moscow State Lomonosov University, USSR)

Title of The PhD Dissertation: Design of Graph Models and Methods for Solving Scheduling Problems.

Name of Supervisors: Prof. Alexander A. Friedman (CEMI),
Prof. David B. Yudin (Moscow State University).

B. HIGHER ACADEMIC RANKS AND AWARDS

Academy	*Subject*	*Rank*	*Date of award*
Russian Academy of Information Sciences, Moscow, Russia	Information Sciences	Foreign Full Member of the Academy	1998
Tel-Aviv University	Operations Research	Associate Professor (Professor Haver)	1995
Inter-University Commission, MALAG, Israel	Operations Research	Full Professor	2002

C. ACADEMIC AND PROFESSIONAL EXPERIENCE

Period	*Name of Institution*	*Department*	*Position*
1965- 1969	Institute of Automation and Remote Control, Moscow, USSR	Digital Systems	Researcher
1969-1990	Central Economic Mathematical Institute, USSR Academy of Sciences, Moscow, USSR	Mathematical Programming	Researcher
1977-1978	Moscow State Lomonosov University, Moscow, USSR	Faculty of Economics	Assistant Professor
1991-1994	The Hebrew University of Jerusalem, Israel	Business Administration	Research Professor
1994-2010	Holon Institute of Technology, Holon, Israel	Computer Science	Assoc. Professor 1994-2002 Full Professor 2002-2010
2010-2020	Bar Ilan University, Ramat Gan, Israel	Management	Lecturer (part-time 50%)
2010- Sep.2016	Ashkelon Academic College Ashkelon, Israel	School of Economics	Professor (full time, 100%)
Sep. 2016-present	**Holon Institute of Technology, Holon, Israel**	**Computer Science**	**Full Professor (Emeritus) (100%)**

D. PROFESSIONAL AND PUBLIC ACTIVITIES

10-11/1989	Ecole Politechnique, and LAMSADE, Paris-Dauphine University, Laboratory of Econometrics, Paris, France. **Function:** Invited Lecture
11-12/1989	Technological University, Eindhoven, and Centre for Mathematics and Computer Science, Amsterdam, The Netherlands. **Function:** Invited Lecture.
1/1990	Carnegie-Mellon University, School of Industrial Administration, Pittsburgh, USA. **Function:** Invited Lecture.
5-6/1990	University of Toronto, Department of Management, Toronto, Canada. **Function:** Invited Lecture.
5-9/1991	Technological University, Department of Mathematics & Computer Science, Eindhoven, The Netherlands. **Function:** Invited Lecture.
6/1992	University of Turku, Department of Mathematical Sciences, Turku, Finland. **Function:** Invited Lecture.
7/1993	University of Osnabrueck, Department of Mathematics, Osnabrueck, Germany. **Function:** Invited Lecture.
7-8/1994	Waseda University, Dept. of Industrial Engineering & Management, Tokyo, Japan. **Function:** Invited Lecture.

2/1995	Lausanne Polytechnical Institute, Faculty of Mathematics, Lausanne, Switzerland. **Function:** Invited Lecture.
8/1995	University of Toronto, Faculty of Industrial Engineering, Toronto, Canada. **Function:** Invited Lecture.
4/1996	Technological University of Poznan, Institute of Computing Science, Poznan, Poland. **Function:** Invited Lecture.
6/1996	Central Economic Mathematical Institute, Russian Academy of Sciences, Moscow, Russia. **Function:** Invited Lecture.
8/1997	University of Ottawa, Faculty of Administration, Ottawa, Canada.
7-11/1998, 9/1999	Japan Advanced Institute of Science and Technology, Ishikawa, Japan. **Function:** Invited Lecture.
8-10/1998	National Institute of Informatics and Automation (INRIA), Metz, France.
6-9/1999	Groningen University, Faculty of Economics, Groningen, The Netherlands. **Function:** Invited Lecture.
10/2000	Copenhagen University, Department of Computer Science, Copenhagen, Denmark. **Function:** Invited Lecture.
2-3/2001	Osaka University, Dept. of Applied Physics, Faculty of Engineering, Osaka, Japan. **Function:** Invited Lecture.
4-5/2001	National Polytechnic Institute, Dept. of Electrical Engineering, Mexico City, Mexico. **Function:** Invited Lecture.
6-7/2001	University of La Laguna, Department of Statistics and Operations Research, Faculty of Mathematics, Spain. **Function:** Invited Lecture.
6/2002	Kyoto Institute of Technology, Kyoto, Japan. **Function:** Invited Lecture.
7/2002	University of Nottingham, School of Computer Science, Nottingham, United Kingdom. **Function:** Invited Lecture.
9/2002	The Chinese University of Hong Kong, Dept. of Systems Engineering and Engineering Management, Hong Kong. **Function:** Invited Lecture.
7/2003	The Pontific Catholic University, Dept. of. Electr. Engineering, Belo Horizonte, Brazil. **Function:** Invited Lecture.
7/2003	The Federal University of Rio Grande do Sul, School of Business, Porto Alegre, Brazil. **Function:** Invited Lecture.
9-10/2004	National Polytechnic Institute, Dept. of Electrical Engineering, Mexico City, Mexico. **Function:** Invited Lecture.
4/2005	Aristotle University of Thessaloniki, Civil Engineering Dept., Thessaloniki, Greece. **Function:** Invited Lecture.
6/2006	University of Osnabrueck, Dept of Mathematics & Computer Science, Germany. **Function:** Invited Lecture.
9/2006	NATO-sponsored Environmental Security Panel Meeting, NATO Headquarters, Brussel, Belgium, September 26-27, 2006.
9/2007-8/2008	University of La Laguna, Dept. of Statistics and Operations Research, Tenerife, Spain, **Function:** Invited Lecture.
10/2007	University of Bologna, Dept. of Electronics, Informatics and Systems, Bologna, Italy. **Function:** Invited Lecture.
3/2008	Polytechnic University of Valencia, Faculty of Informatics, Valencia, Spain. **Function:** Invited Lecture.
8-10/2008	Indian Institute of Technology, Department of Industrial Engineering and Management, Kanpur, India. **Function:** Invited Lecture.

1-2/2008	University of La Laguna, Dept. of Statistics and Operations Research, Tenerife, Spain. **Function:** Invited Lecture and cooperation.
6-8/2008	Polytechnic University of Hong Kong, Department of Logistics, Hong Kong. **Function:** Invited Lecture and cooperation.
1/2009	Dublin City University, School of Computing, Dublin, Ireland.
2/2009, 4/2010	Northwestern Polytechnic University, School of Management, Xi'an, P.R. China. **Function:** Invited Lecture and cooperation.
9/2009	Rutgers University, Oper. Research Seminar RUTCOR, New Brunswick, NJ, USA. **Function:** Invited Lecture and cooperation.
4; 11-12/2010	*Shanghai Jiao Tong University*, Civil Engineering Department, Shanghai, China. **Function:** Invited Lecture and cooperation.
9-10/2011	Macao University of Science and Technology, Business Administration, Macao. **Function:** Invited Lecture and cooperation.
8/2014	Polytechnic University of Hong Kong, Department of Logistics, Hong Kong.
9/2015	Northwestern Polytechnic University, School of Management, Xi'an, China.
9/2017, 9/2018	Polytechnic University of Hong Kong, Department of Logistics, Hong Kong. China. **Function:** Invited Lecture and cooperation
1.10.2019 – present	**Member of the Institute's Appointments Commitee HIT (חבר של ועדת המיניויים מוסדית)**
1.10.2019 – present	**Member of the Supreme Academic Council of the Institute (HIT) (חבר של המועצה האקדמית של מכון)**
1.10.2022- present	**Member of the Faculty Comission for Decrease of Teaching Load (חבר של ועדת הפקולטה על הפחתת עומס ההוראה)**

D1. ORGANIZATION OF INTERNATIONAL CONFERENCES (1991-2022)

8/1991	Symposium "Mathematics and Computing in Manufacturing and Design" at the II International Conference on Industrial and Applied Mathematics, ICIAM- 91, Washington, USA.	Organizer and Co-Chairman
9/1991	XIV International Symposium on Mathematical Programming, Amsterdam, The Netherlands	Chairman of the Session "Scheduling Theory"
1991-1993	Israeli Inter-University Seminar "Combinatorial Optimization and Operations Research", Israel	Co-Chairman
6-7/ 1992	EURO-XII/TIMS-XXXI Joint Conference on Operational Research/ Management Science, Helsinki, Finland	Chairman of the Session "Periodic Scheduling"
7/1993	XIII IFORS Conference on Operations Research, Lisbon, Portugal	Chairman of the Session "Search"
8/1994	International Conference "New Directions in Simulation for Manufacturing and Communications", Tokyo, Japan.	Chairman of the Session "Artificial Intelligence"

7/1995	XIV European Conference of Operations Research, EURO-XIV, Jerusalem, Israel	Chairman of the Session "Scheduling Theory"
7/19956/1996	I and II International Workshops "Intelligent Scheduling of Robots and FMS", Holon-Tel-Aviv, Israel	Organizer and Chairman
4/1996	V International Workshop on Project Management and Scheduling, Poznan, Poland	Chairman of the Session "Open Shop Scheduling"
11/199611/1997	I, II International Conferences "Distributed Computer Communication Networks", Tel-Aviv, Israel	Member of the Program Committee
7/1998	INFORMS/ORSIS International Conference, Tel-Aviv, Israel	Chairman of Section "Scheduling"
8/1998	IX SIAM Conference on Discrete Mathematics, Toronto, Canada	Chairman of Mini-Symposium
6-7/ 1999	Int. Conference on Industrial Logistics, St.-Petersburg, Russia	Invited Lecturer
8/1999	XV IFORS Conference, Beijing, China	Chairman of Section "Scheduling"
11/1999	III International Conference on Distributed Computer Communication Networks, Tel-Aviv, Israel	Co-chairman of Program Committee
10/1999	IASTED International Conference on Robotics and Applications, Santa Barbara, USA	Member of the Organizing Committee
2/2000-2/2005	XVII – XXII IASTED International Conference on Applied Informatics, Innsbruck, Austria	Member of the Program Committee
	French-Israeli Workshop "Factory of the Future", Paris, Feb. 7-9, 2005	Co-chair and Invited speaker
11/2001	IASTED International Conference on Robotics and Applications, Clearwater (Tampa), Florida, USA	Member of the Program Committee
6/2002	International Symposium on Scheduling, Hamamatsu, Japan	Key Invited Lecturer
7/2002	XVI IFORS Conference, Edinburgh, Scotland	Chair of Session
4/2003	International Workshop "Computer-Aided Management of Ecological Systems", Holon, Israel, April 14, 2003	Organizer and Chairman
5/2003	IASTED International Conference "Computer Science and Technology,", Cancun, Mexico	Member of the Organizing Committee

6/2003	Conference "Robotics and Applications", Salzburg, Austria	Member of Organizing Committee
10/2003	NATO Advanced Study Institute on Strategic Management of Marine Ecosystems, Nice, France	Co-Director
12/2003	Annual 2003 Meeting of the American Society for Risk Analysis, Baltimore, USA	Invited Lecturer
4/2004	NATO Advanced Research Workshop on Environmental Security and Emergency Preparedness in the Middle East, Eilat, Israel	Member of the Organizing Committee and Invited Lecturer
8/2004	X IASTED Conference on Robotics, Honolulu, Hawaii, USA	Member of the Org.Committee
11/2004	IASTED Conference on Advances in Computer Science and Engineering, St.Thomas, US Virgin Islands, USA	Member of the Organizing Committee and Chair of Session
4/2005	NATO Advanced Research Workshop on Environmental Security in Harbors and Coastal Areas, Thessaloniki, Greece.	Key Invited lecturer
8/2005	IASTED Conference on Computers and Advanced Technology in Education, Aruba, Carribean, August.	Member of the Intern. Program Committee
8/2005	II Multidisciplinary International Conference on Scheduling Theory and Applications, New York, USA	Member of the International Program Committee
1/2006	V IASTED Conference on Web-Based Education WBE 2006, Puerto Vallarta, Mexico, January 23-25, 2006.	Member of International Program Committee
11/2006	Mexican International Conference on Artificial Intelligence, MICAI 2006, Mexico	Member of the Intern. Program Committee
2/2007	Workshop on Scheduling, Inventory and Optimization, University of La Laguna, Tenerife, Spain, February 14-15, 2007.	Co-chairman of the Program Committee
5/2007	XX European Conference on Combinatorial Optimization ECCO-2007, Limassol, Cyprus	Chairman of Session "Cyclic Scheduling Systems"
1-2/ 2008	II Iberoamerican Seminar on Combinatorial and Computational Geometry, La Laguna, Tenerife, Spain, 28.1.2008 - 1.2 2008	Key lecturer
11/2007	Mexican International Conferences on Artificial Intelligence, MICAI 2007 MICAI 2008, Mexico, 2007, 2008	Member of the International Program Committee

1998-2009	IASTED International Technical Committee	Member of Committee
2004-2007	Ministry of Science and Education of Italy	Expert-Evaluator
1998-2008	INTAS Foundation, EU, Brussels, Belgium	Expert-Evaluator
5/2009	I3th IFAC Symposium, on Information Control Problems INCOM 2009, Moscow, Russia	Chairman of Session on Scheduling Theory
6/2009	39th Conference Computers and Industrial Engineering, CIE-39, Troyes, France	Member of the PC; Chairman of Session
8/2009	IV Multidisciplinary International Conference on Scheduling Theory and Applications MISTA 2009, Dublin, Ireland	Member of Organizing Committee
2/2013	II Russian Economic Congress, Feb.17-20, Suzdal, Russia.	Invited lecturer & Moderator of Round Table
2016	Member of the International Jury for Awarding the EURO Annual Gold Medal, Brussels, Belgium	Member of the Jury
2016	The 28th European Conference on Operational Research, July, 6-9, Poznan, Poland	Chairman of the session
2017	The 18th Russian Symposium "Strategic Planning and Development of Industrial Enterprises", April 2017, Moscow, Russia.	Invited Lecturer
2017	The 3rd IEEE Conference on Smart Computing SMARTCOMP2017, May 29-31 2017 Hong Kong.	Co-author
2017	The Intern. Conference on Advances in Business Management and Information Science (ICABMIS 2017), September 27-28, 2017, Hong Kong, China.	Co-author
2018	The International Conference on Medical and Health Sciences, ICMHS, Feb. 16-17, 2018, Colombo, Sri Lanka	Program Chair
2018	The 14th International Conference on Industrial Logistics, 15-17 May, 2018, Beer-Sheva, Israel	Author
10/2018	The 17th Mexican International Conference on Artificial Intelligence MICAI 2018, Guadalajara, Mexico, October 22-27, 2018.	Member of the Program Committee
2/2019	The International Conference on on Management, Economics and Social Science ICMESS 2019, Phnom Penh, Cambodia, February 4-5, 2019	Lecturer
6/2019	The INFORMS International Conference on Operations Research and Analytics (INFORMS-2019), Cancun, Mexico, June 9-12, 2019.	Lecturer
9/2019	The 7th International Conference on Health Policy "Health and healthcare in the age of innovation", Jerusalem, Israel, September 15-16, 2019l	Lecturer

9/2019	The 22nd International Conference on Distributed Computer and Communication Networks (DCCN-2019), Moscow, Russia, September 23-27, 2019.	Member of the Program Committee
10-11/ 2019	The 18th Mexican International Conference on Artificial Intelligence MICAI-2019, Xalapa, Mexico, October 28-November 1, 2019.	Member of the Program Committee
9/2020	The 23rd International Conference on Distributed Computer and Communication Networks: Control, Computation, Communication (DCCN-2020), Moscow, Russia, September 14-18, 2020.	Member of the Program Committee
9/2020	The 9th International Online Conference on Big Data , held as part of the Services Conference Federation, SCF 2020, Honolulu, USA, September 18-20, 2020 (on-line).	Invited Lecturer
10/2020	The International Online Conference "Frontiers in Mathematics and Computer Science", Holon, Israel; Tashkent, Uzbekistan, October 12-15, 2020.	Lecturer
5/2021	The International Online Conference on Artificial Intelligence AI2, Holon, Israel, May 24, 2021.	Lecturer
8/2021	The 3rd International Conference on Symmetry, Beer Sheva, Israel, August 8-13, 2021 (on-line).	Lecturer
9/2021	The 24th International Conference on Distributed Computer and Communication Networks (DCCN-2021), Moscow, Russia, September 21-24, 2021 (on-line).	Member of the Program Committee, and Keynote Lecturer
12/2021	The 1st International Conference on Fuzzy Logic and Applications in Honor of Prof. Lotfi A. Zadeh, December 20-21, 2021, Baku, Azerbaijan (on-line).	Keynote lecturer
6/2022	The 16th International Conference "Probabilistic Safety Assessment and Management" PSAM-16, Honolulu, Hawaii, USA, June 26-July 1, 2022.	Member of the Technical Committee and Invited Lecturer
7/2023	**2023 SIAM Conference on Control and Its Applications (CT), Philadelphia, Pennsylvania, July 24-26, 2023.**	**Invited lecturer and Chairman of Section**
9/2023	**The 25th International Conference on Distributed Computer and Communication Networks (DCCN-2023), Moscow, Russia, September 25-29, 2023 (on-line).**	**Member of the Program Committee**

D2. ASSOCIATE EDITOR / MEMBER OF EDITORIAL BOARDS OF INTERNATIONAL JOURNALS

2011-2020 *Journal of Industrial and Management Optimization*. (Q2, IF=0.963), Member of Editorial Board:

Member of Editorial Board in 2022-2023:
2010-present *International Journal of Risk Assessment and Management*, (SCIMAGO: Q4, IF=0.370) Member of Editorial Board
2020-present *Algorithms*, MDPI Publishers, (SCIMAGO: Q2-Computational Mathematics, IF=1.51), Member of Editorial Board.
2029-present *International Journal of Service Science and Management*.

D3. REVIEWER IN INTERNATIONAL JOURNALS (1994-2022).

Annals of Operations Research, Computers and Operations Research, Computers and Industrial Engineering, Discrete Applied Mathematics, European Journal of Operations Research, Fuzzy Sets and Systems, IEEE Transactions on Robotics and Automation, IEEE Ttransactions on Industrial Informatics, IIE Transactions, Information Sciences, International Journal of Production Economics, International Journal of Production Research, International Journal of Risk Assessment and Management, Journal of Industrial and Management Optimization, Journal of the Operational Research Society, Journal of Scheduling, Management Science, Mathematical Programming, Mathematics of Operations Research, Naval Research Logistics, OMEGA, Operations Research, Operations Research Letters, SIAM Journal on Computing.

D4. MAIN RESEARCH AREAS

- Design and Analysis of Computer Algorithms,
- Artificial Intelligence Methods and Applications in Digital Medicine,
- Applications of Operations Research,
- Robot Routing Planning and Scheduling,
- Scheduling Theory,
- Fuzzy Logic.

D5. TEACHING COURSES IN 2016-2024

- Artificial Intelligence Models and Algorithms in Digital Medicine,
- Project Management and Scheduling,
- Risk Management in Digital Medicine,
- Introduction to Data Mining,
- Operations Research,
- Computer-Aided Design and Computer Aided Manufacturing (CAD/CAM),
- Computability and Complexity of Algorithms,
- **Fuzzy Logic and Soft Computing, (2022-2023). In English**
- **Basic Algorithms of Artificial Intelligence and Applications in Digital Medicine, (2022-2023). In English.**

D6. Membership in International Scientifical Societies

2022-2023 SIAM – Society of Industrial and Applied Mathematics, USA.

*E. A*CADEMIC AND PROFESSIONAL AWARDS
(prizes, fellowships, scholarships, etc.)

Year Name of Institution (city, country) and Occasion

1972 The Best Paper Award ("The Silver Diploma") by the Institute of Control Problems of the AS USSR, for paper "A Network Approach to Scheduling Problems" (published in book: A. Fridman (ed.). *"Studies in Discrete Mathematics",* Moscow, Nauka, 1973).

1981 The Best Paper Award by the Moscow Government ("The Regional Soviet") for paper "Fast Approximation Algorithms for Job Sequencing with Deadlines" (published in *Discrete Applied Mathematics*, 3, 1981, pp. 313-318).

1997 Biography is included in *Marquis' Who is Who in Science and Engineering* (Reed Elsevier, USA, 1997); *2000 Outstanding Scientists of the 20th Century*, IBC Press, England, 2000.

5/2009 The Best Paper Award by the National Organizing Committee of INCOM-IFAC, Moscow, Russia, for the paper "Hierarchical Scheduling of Mobile Robots in Production-Transportation Supply Chains", co-authored with Frank Werner and Leonid Meyzin.

2009-2010 Excellence in teaching and research award, Holon Institute of Technology, Israel

2010 Shanghai Jiao Tong University award of best record in teaching of the 36-hour course of Operations Research for Logistics (November –December 2010, Shanghai, China).

2014 The Best Paper Award awarded by the Program Committee of the 13th Mexican International Conference on Artificial Intelligence, MICAI-2014, Mexico.

4/2017 The Best Paper Award by the Organizational Committee of the XVIII Russian Symposium "Strategic Planning and Development of Industrial Enterprises", April, 2017, Moscow, Russia, for the paper co-authored with Alexander Ptuskin, "Entropy-based model for the ripple effect: Managing environmental risks in supply chains" (published in *International Journal o f Production Research* 56 (7), pp. 2539-2551, March 2018).

10/2019-9/2021 Excellence in teaching and research awards, Holon Institute of Technology, Holon, Israel\

F. THE MS STUDENT SUPERVISED BY E. LEVNER

In 2022-2023, Eugene Levner is the supervisor of Mr. Shimon Aviram, who received his MS degree thesis, Computer Science Dept., HIT.

G. RECENT GRANTS

5-10/1991 Fellowship awarded by the NWO and Technological University of Eindhoven (Netherlands) for the joint project "Scheduling Theory and Algorithms".

1991-1993 Grant by the Ministry of Absorption of Israel for the project "Design of Fast Algorithms for Scheduling of Robots".

1993-1995 Grant by the Bi-national USA-Israel CDR/CAR Foundation for the project "Ecology-Safe Management of Water Supply Systems in Uzbekistan".

1996-1998 Grant by the French-Israeli Scientific Program "Arc-En-Ciel-Keshet", for the project "Intelligent Scheduling of Tasks in Manufacturing Environment".

7-8/1998 Grant by the JSPS Program (Japan) for joint research at the Japan Advanced Institute of Science and Technology (JAIST), Hokuriku, Ishikawa, Japan.

1997-2000 Grant by the Ministry of Science of Israel and JSPS (Japan) for the Israeli-Japanese project "Intelligent Scheduling of Robots".

1997-2001 Grant INTAS 96-0812, INTAS (European Commission, Brussels, Belgium) "Architecture Design and Resource Allocation in Communication Networks".

9-11/1998 Grant by INRIA, France, for the research work at INRIA-Lorraine, France.

12/98-2/1999 Grant by the Ministry of Science of Israel and Japanese Cooperation Program JSPS for the research work at Japanese Universities.

5-9/1999 Fellowship awarded by the NWO and Groningen University (Netherlands), for the project "Fast Algorithms for Scheduling of Robots".

1998-2001 Grant by the Ministry of Science of Israel and French-Israeli Scientific Program AFIRST, " Factory of the Future. Intelligent Scheduling of Automated Robotic Lines".

6/2002 Grant by the President eduling Society of Japan for presenting the Key Lecture at International Symposium on Scheduling, Hamamatsu, Japan. 2002.

2003 Grant by the Scientific Program of NATO for organizing the NATO Advanced Study Institute on Strategic Management of Ecosystems, Nice, France.

9-10/2004 Travel grant by CINVESTAV (Mexico) for visiting Mexican universities.

2004-2006 Grant by the Ministry of Science of Italy and Ministry of Science of Israel "Risk Management and Optimization of Artificial Marine Structures".

10/2006 Grant by the NATO Science for Peace Program for participating as a key lecturer at the NATO Advanced Research Workshop on Risk Analysis in Wastewater Systems, Istanbul, Turkey.

9/2006-8/2008 Fellowship awarded by Ministry of Science and Education of Spain for the joint project "Cyclic Scheduling Problems with Logical Time-Windows Constraints".

3/2007 Grant by Polytechnic University of Valencia (Spain) for lecturing and joint research.

8-10/2007 Travel grant by Indian Institute of Technology (Kanpur) for lecturing and joint research

1-2/2008 Travel grant awarded by the University of La Laguna (Tenerife, Spain) for the joint project "Cyclic Scheduling Problems and Efficient Algorithms".

6-8/2008 Travel grant awarded by the Polytechnic University of Hong Kong (Hong Kong, China) for the joint research on Scheduling Problems and Efficient Algorithms.

11/2010 Travel grant by Shanghai Jiao Tong University, Shanghai, China, for teaching and joint research on Operations Research for Logistics and Management.

4/2012 Travel grant by Ashkelon Academic College (Israel) for presenting a talk at INFORMS-2012. Huntington (Los Angeles), USA.

8-9/2012 The project *The Disruption Management in the Robotic Scheduling Problems Based on Evolutional and Genetic Algorithms.* Awarded by NNSF of China, (2012-2013), with Chinese University of Electronic Science and Technology, Chengdu, China.

10/2019- 9/2020 The project *Applied Artificial Intelligence Methods to Enhance Efficiency of Iinfluenza Vaccination* (Joint project of HIT and Ariel University) . 40,000 NIS.

10/2021-9/2022 The project *Implementation of artificial intelligence methods to improve early detection of disease outbreaks, public responses, prevention and management* (Joint project of HIT and Ariel University) . 15,000 NIS.

PUBLICATIONS

A. ARTICLES PUBLISHED IN REFEREED JOURNALS

114	Yu, Kaize and Yan, Pengyu, Kong, Xiang tian rui and Levner, Eugene, Sequential Auction for Cloud Manufacturing Resource Allocation: A Deep Reinforcement Learning Approach for Lost-Sizing Problem. Available at SSRN: https://ssrn.com/abstract=4565715 or http://dx.doi.org/10.2139/ssrn.4565715
113	Lazebnik, Teddy, Svetlana Bunimovich-Mendrazitsky, Shai Ashkenazi, **Eugene Levner, Arriel Benis. Early detection and control of the next epidemic wave using health communications: Development of an Artificial Intelligence-based tool and its validation on COVID-19 data from the USA."** ***International Journal of Environmental Research and Public Health*** **19, no. 23 (November 2022): 16023. Scimago: Q2 in Publuc Health**
112	Eugene Levner, Vladimir M. Vishnevsky.Recent advances in scheduling theory and applications in robotics and communications. *Lecture Notes in Computer Science* 13144, Editors: V.M. Vishnevskiy, K.E. Samouylov. D.V. Kozyrev. December 2021, ISBN 978-3-030-92506-2, pp. 14-23. WoS & Scopus: Indexing in progress. SCImago: h-index: 415; Q2 (in Computer Science).
111	A. Benis, A. Chatsubi, E. Levner, S. Ashkenazi. Change in threads on twitter regarding influenza, vaccines, and vaccination during the COVID-19 pandemic: Artificial intelligence-based infodemiology study. *Journal of Medical Internet Research,* 1(1), 2021 (October, 14). [https://doi.org/10.2196/31983]. WoS. Indexing in progress. Scopus: Indexing in progress. [Google Scholar Citations: 5].
110	T.C.E. Cheng, B. Kriheli, E. Levner, C.T. Ng, Scheduling an autonomous robot searching for hidden targets, *Annals of Operations Research.* 2021 March; 298(1): 95-109. WoS: Q2, IF: 4.820, JCR citations: 6. SCImago: h-index: 111; Q1 (in Decision Making), Scopus citations: 6. [Google Scholar Citations: 9].
109	C.T.Ng, T.C.E. Cheng, E. Levner, B. Kriheli. Optimal bi-criterion planning of rescue and evacuation operations for marine accidents using an iterative scheduling algorithm. *Annals of Operations Research.* 2021 January; 296(1): 407-420. WoS: Q2, IF: 4.820, JCR citations: 1. SCImago: h-index: 111; Q1 (in Decision Making), Scopus citations: 3. [Google Scholar citations: 3].
108	A. Benis, A. Khodos, S. Ran, E. Levner, S. Ashkenazi. Social media-engagement and influenza vaccination during the COVID-19 pandemic: Cross-sectional survey study. *J. of Medical Internet Research,* published March 2021, 23 (3). WoS: Q1 (in Medical Informatics), IF 7.076, JCR citations: 11. SCImago: h-index: 111; Q1 (in Decision Making), Scopus citations: 12. [Google Scholar citations: 27].
107	C.T. Ng, T.C. Edwin Cheng, Dmitry Tsadikovich, Eugene Levner, Amir Elalouf, Sharon Hovav, A multi-criterion approach to optimal vaccination planning: Method and solution, *Computers and Industrial Engineering,* vol. 126 pp. 637-649, December 2018. WoS: Q1 (in Computer Science), IF: 7.18, JCR citations: 7. SCImago: h-index: 136; Q1 (in Computer Science), Scopus citations: 3. [Google Scholar citations: 11].
106	Peng-Yu Yan, Ada Che, Eugene Levner, and S.Q. Liu, A heuristic for inserting randomly arriving jobs into an existing hoist schedule, *IEEE Transactions on Automation Science and Engineering* 15 (3) pp. 1423-1430, July 2018.WoS: Q1 (in Automation and Control), IF: 6.636, JCR citations: 3. SCImago: h-index: 93; Q1 (in Control and System Engineering), Scopus citations: 5. [Google Scholar citations: 7].

105	Vladimir Kats, Eugene Levner, On the existence of dominating 6-cyclic schedules in four-machine robotic cells, *European Journal of Operational Research,* 268 (2), pp. 755-759, July 2018. WoS: Q1 (in Operations Research and Management Science), IF: 6.366, JCR citations: 4. SCImago: h-index: 93; Q1 (in Computer Science), Scopus citations: 5. [Google Scholar citations: 6]
104	C.T. Ng, T.C. Edwin Cheng, Dmitry Tsadikovich, Eugene Levner, Amir Elalouf and Sharon Hovav, Optimal immunization strategies for groups at risk in vaccine supply chain management. Proceedings of 14th International Conference on Industrial Logistics, ICIL-2018, Beer Sheva, Israel, May 15-17, 2018. Editors: Zilla Sinuany-Stern Yuval Cohen Publisher, Beer-Sheva, Israel, pp. 151-157, May 2018. WoS. Indexing in progress.. SCImago: Indexing in progress. [Google Scholar Citations: 1].
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D. CHAPTERS IN BOOKS

1. E.V. Levner, On a problem of management of R&D projects, in: K.L. Gorfan (ed.), *Planning, Control and Performance Evaluation of R&D Projects*, The USSR Academy of Sciences, CEMI Press, Moscow, 1969, pp.31-37 (in Russian).Translated into English as "A problem in operational management of research and development", Defense Technical Information Center DTIC, DOD, USA, Accession number ADA009439, 1974. http://stinet.dtic.mil/oai/oai?&verb=getRecord&metadataPrefix=html&identifier=ADA009439

2. E.V. Levner, On a scheduling problem reducible to the shortest path problem, In: S.I. Zukhovitsky (ed.), *Mathematical Programming and Related Topics,* Moscow Civil Engineering Institute Press, Moscow, 1971, pp. 93-98 (in Russian).

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25. E. G. Golshtein and E. Levner, Discrete optimization problems: Traveling salesman problem, Knapsack problem, Covering problem, Location-allocation problem, Shortest path problem, Linear programming problems : Assignment problem, Transportation problem, Min-cost network flow problem.Invited articles in: V.S. Mikhalevich (ed.), *Dictionary of Cybernetics,*Ukrainian Soviet Encyclopedia Publishers, Kiev, Ukraine, 1989 (in Russian).

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E. LECTURES DELIVERED AT CONFERENCES IN 2016-2023

1. The 28th European Conference on Operational Research, July 6-9, 2016. Poznan, Poland; lecture entitled "Integrated scheduling of maintenance and transportation operations in military supply chains", July 7, 2016.

2. The International Conference on Advances in Business Management and Information Science, September 27-28, 2017, Hong Kong; lecture "Scheduling of rescue operations with overlooking within short response time: An approach for quick response", September 27, 2017.

3. The International Conference on Medical and Health Sciences ICMHS-2018, February 16-17, 2018, Colombo. Sri-Lanka; lecture "Impact of targeted vaccination on quality and efficacy of immunization programs" February 16, 2018.

4. Lecture "*Optimal Planning of Rescue and Evacuation Operations for Marine Accidents Using an Iterative Scheduling Algorithm"* delivered by Eugene Levner at the International Conference on on Management, Economics and Social Science (ICMESS 2019), Phnom Penh, Cambodia, on February 4, 2019.

5. Lecture "*Scheduling Maritime Search-and-Rescue Operations Under Uncertain Data***"** delivered by Eugene Levner at the INFORMS International Conference on Operations Research and Analytics (INFORMS-2019), Cancun, Mexico, on June 10, 2019.

6. Lecture "*The AI-based Multi-Criterion Approach to Enhance the Effectiveness of Vaccination Strategies*" delivered by Eugene Levner at the 7th International Conference on Health Policy "Health and healthcare in the age of innovation", Jerusalem, Israel, September 15, 2019.

7. Lecture " Entropy-based approach to efficient cleaning of big data in hierarchical databases" delivered by Eugene Levner at the 9th International Online Conference on Big Data, Honolulu, USA, September 18-20, 2020**.**

8. Lecture "*Periodical sequential search under uncertainty with false-positive and false-negative test results*", delivered by Eugene Levner at the 3rd International Conference on Symmetry, Beer Sheva, Israel, August 8-13, 2021.

9. Keynote Lecture "*Recent Advances in Scheduling and Applications in Robotics and Communications"* delivered by Eugene Levner at the 24th International Conference "Distributed Computer and Communication Networks: Control, Computation, Communications", DCCN-2021, Moscow, Russia, September 20–24, 2021

10. Invited lecture "*High-throughput Screening Systems for Drug Discovery and Virus Detection: A Parametric Graph Approac*h" *"* delivered by Eugene Levner at SIAM-2023 Conference on Control and Its Applications (CT), Philadelphia, Pennsylvania, July 25, 2023.

F. REVIEWS OF BOOKS AND DOCTORAL THESES

1. Review of the book: *Intelligent manufacturing systems* by A. Kusiak Prentice-Hall, 1990, 443 pp.*, European Journal of Operational Research*, Volume 50, Issue 1, 7 January 1991, Pages 100-101, 1991.

2. Review of the book: *J. Blażewicz, K. Ecker, E. Pesch, G. Schmidt, J. Węglarz: Handbook on scheduling,* 2007 *Journal of Scheduling*, Springer, vol. 12, no. 4, pp. 433-434, 2009.

3. Review on the doctoral thesis by Mr. Ajay Jha. Data: October 29, 2018.
Organization: Indian Institute of Technology, Kanpur, India.
Speciality: Industrial Engineering.
Title of the PhD thesis: *Supply Chain Performance Measurement, Product Variety Handling and Open Source Technology*.

4. Review on the doctoral thesis by Mr. Priyank Sinha. Data: November 10, 2018.
Organization: Indian Institute of Technology, Kanpur, India.
Speciality: Industrial Engineering.
Title of the PhD thesis: *Efficient Heuristic Based Solutions for a Special Case of Minimum Cost Flow Problem*.

8. Reviewer and a member of the Examination Commission on the PhD thesis by Mr. Dhananjay Singh. Data: March 2022.
Organization: Indian Institute of Technology, Kanpur, India.
Speciality: Industrial Engineering.
Title of the PhD thesis: *Supply Chain Integration and Mass Customization: Relation with Organizational Strategy, Strategic Decision-Making Processes, Leader's Personality and Culture of Indian Manufacturing Firms.*

9. Reviewer and a member of the Examination Commission on the doctoral thesis by Mrs. Sonal Gupta. Data: February 2023.
Organization: Indian Institute of Technology, Kanpur, India.
Speciality: Industrial Engineering.
Title of the PhD thesis: *The Relationship of use of Enterprise Social Media and types of HR Analytics sed in different Business Strategic firms, innovation firms and management levels of strategic firms for HR practices.*