Judith Gal-Ezer

CURRICULUM VITAE

July 2025

Judith Gal-Ezer is Professor of Computer Science at the Open University of Israel (OUI), within the Department of Mathematics and Computer Science.

As faculty, she has developed numerous textbooks in Mathematics and Computer Science (CS) and played a pivotal role in designing both the undergraduate and Master programs in CS. During her time at OUI, she held various leadership positions, including Head of the Mathematics and Computer Science Department, Head of the Development Division, and Vice President for Academic Affairs, spanning almost a decade.

While initially she engaged in research on wave propagation and seismology, her focus gradually shifted to two key areas: computer-integrated mathematics education and computer science education, which has since become her primary interests.

In addition of writing Hebrew textbooks for the Open University Professor Gal-Ezer published tens of publications in professional journals and professional conferences. She supervised many students' seminar works, and Master and PhD students.

Her involvement with educational policy extends beyond academia. She was member of the Ministry of Education's professional committee responsible for formulating the CS curriculum for Israeli high schools. Subsequently, she chaired this committee and served on similar committees for elementary, middle school curricula.

Furthermore, Judith has contributed extensively to higher education governance, serving as a member of the CHE Council for Higher Education, the regulatory body overseeing all higher education institutions. Presently, she continues to participate in numerous sub-committees of the Ministry of Education, the CHE, and the PBC (Planning and Budgeting Committee).

Professor Gal-Ezer is actively engaged in professional societies and initiatives. She serves on the editorial boards of several prominent journals; she is a member of the Informatics for All European Coalition, and plays key roles in various committees, including the CC2020 Steering Committee and the ACM Education Board. Notably, she chairs the ACM Europe Council Education Committee.

Her contributions to CS education have been recognized through prestigious awards, including:
ACM SIGCSE 2007 "Special Contribution to Computer Science Education,"

IEEE 2015 Computer Society Taylor L. Booth Education Award for outstanding research and practical application in the field
ACM Karl V. Karlstrom Outstanding Educator Award 2017.
In 2021 she was honored to be recognized as an ACM Fellow.
In 2022 she was invited as Fellow of AAIA (Asia -Pacific Artificial Intelligence Association).
In 2024 as AIIA Fellow (International Artificial Intelligence Industry Alliance)
In 2024 Gal-Ezer was awarded the Outstanding Contribution to the ACM Award.

Personal Information

Department of Mathematics and Computer Science
The Open university of Israel
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Education

Tel Aviv University, Applied Mathematics	B.Sc.	1968
Tel Aviv University, Applied Mathematics	M.Sc.	1971
Tel Aviv University, Applied Mathematics	Ph.D.	1978
Tel Aviv University, Computer Science	Diploma	1985

Academic Ranks in Institutions of Higher Education

1980 - 1985	Tel Aviv University	Lecturer (adjunct)
1986 - 1987	Tel Aviv University	Visiting Lecturer
1990 - 1995	The Open University of Israel	Senior Lecturer
1993 - 1994	The Weizmann Institute of Science	Visiting Scientist
1994 - 1995	Tel Aviv University	Senior Lecturer (adjunct)
1995 - 1996	Weizmann Institute of Science	Consultant
1995 - 2002	The Open University of Israel	Associate Professor
2002 - 2016	The Open University of Israel	Full Professor
Summer 2002	Weizmann Institute of Science	Visiting Scientist
2019 - 2024	The Open University of Israel	Full Professor
2024 -	the Open Un University	Professor Emerita

Offices in Academic Administration

1985 - 1990	Head, Computer Science (CS) team
1990 - 1993	Head, Academic Development Division
1990 - 2017, 2019 - 2024	Open University Council
1990 – 2017, 2019 - 2024	Open University Senate
1994 - 1996	Head, CS team
1996 - 1999	Head, Mathematics and CS Department and Head, CS Div
1999 - 2005	Vice President for Academic Affairs
1999 - 2012	Open University School of Technology Steering Committee
2008 - 2009	Director, International Academic Outreach
2009 - 2012	Vice President for Academic Affairs
2009 - 2014	Open University Executive Committee
2012 - 2018	Advisor to the President on Women's and Gender Issues
12.2020 -3. 2021	Acting Dean of Development and Educational Technology
2020 - 2022	Chair, Committee for Implementing the English Reform
2020 - 2022	Leading the Establishment of the School for Digital Studie
2021 – 2024	Responsibility for Hebrew, English and Arabic Website
2024 -	Manager, OUI - IDF Relations

Scholarly Positions and Activities outside the Institution

Ministry of Education

1990 - 2000	Member, Professional Committee, CS Studies in High School
2001 - Present	Member, Steering Committee, National CS Teachers' Center
2005 - 2009	Chair, Professional Committee, CS in High School
2007 - 2009	Co-Chair, Curriculum Committee Computer CS in High School
2009 - 2022	Member, Professional Committee for CS in High School
2012 - 2014	Chair, Professional Committee for CS in High School
2012 - 2014	Member, Professional Committee for CS in Middle School
2012 - 2014	Member, Professional Committee Systems Design, High School
2016 - 2022	Vice Chair, Professional Committee for CS, High School

Council for Higher Education (CHE); Planning and Budgeting Committee (PBC)

1997 -	Member/Chair, committees for accreditation CS programs
2007 - 2009	Member, Tikshuv (computers and communication)
2013 - 2025	Member CHE committee for nominating college prof.
2013 - 2015	Member of the CHE committee for teaching quality
2014 - 2016	Member of the CHE
2016 - 2022	Chair, Alon scholarship Committee
2018 - 2020	Member of more CHE subcommittees for the accreditation of colleges, Reviewer of CS programs, too numerous to list here.

Ba'Sha'ar - Academic community for Israeli Society

2010 - Present	Member, Ba'Sha'ar
2022 - Present	Chair of Ba'Sha'ar hotline for maintaining academic values

International Professional Committees

2005 - 2015	Member, Advisory Board, AMSA (Advanced Math and Science Academy, Charter School, Massachusetts)
2005 – 2008	International Director, Board of Directors, Computer Science Teachers Association (CSTA) of the Association for Computing Machinery (ACM)
	Member and later Head of Research Committee, CSTA
	Head of International Committee, CSTA
	Member, Ad-hoc Teachers' Certification Committee, CSTA
2008 - 2020	Advisory Council, CSTA
2008 - 2020	Member, Research and International committees CSTA
2013 - 2014	Member, ACM ISEF Award Committee
2014 - 2015	Chair, ACM ISEF Award Committee
2015 - 2019	Member, ACM Europe Council
2015 - 2019	Member, EUACM, the European Policy Committee
2015 - 2018	Member, CECE, The Committee on European Computing Education; (In 2018 CECE ceased to exist, Informatics4All was established)
2015 - 2018	Member, Google's Online Education Advisory Council

2017 - 2019	Vice Chair ACM Europe Council
2017 - Present	Member, Informatics for All[1]
2017 - 2024	Member, ACM Education Advisory committee
2017 - 2023	IEEE Taylor Booth Award Committee
2018 - 2023	Member, ACM Karl Karlstrom Award Committee
2019 - 2024	Member, CC2020 ACM and IEEE Steering Committee
2021 - 2023	Chair of ACM Karl Karlstrom Award Committee
2022 - Present	Member of the ACM Education Board
2022 - 2024	ACM HLF – Heidelberg Laureate Forum, Young Researchers Selection Committee
2023 - 2024	Co-Chair ACM HLF Young Researchers Selection Comm.
2023 - Present	Chair, ACM Europe Council Education committee
2024 – Present	European Commission Expert Group for the development of Guidelines on High-Quality Informatics

Editorial Boards

1992 -	Member, Editorial Advisory Board, Computers & Educ.
2011 - 2016	Associate Editor, Inroads – ACM Magazine

Conference Program and Steering Committee

2015 - 2019	WiPSCE - Workshop in primary and Secondary Computing Education, Steering Committee
2015 - 2020	WiPSCE - Workshop in primary and Secondary Computing Education, Program Committee
2017 - 2024	ITiCSE2017 Program Committee
2017 -	International Conference on Computational Thinking
2017 - 2019	ACM Nomination Committee
2018 - 2024	ICER program committee

[1] A coalition devised jointly by ACM Europe, Informatics Europe and CEPIS. Its purpose is to give due recognition to Informatics (Computer Science) as an essential foundational discipline for education in the twenty-first century.

2022 - Present More ad-hock committees too numerous to list here

Other

1995 – 1999, 2007 - 2009 *Malam* - The National Center for Science Education

2013 - 2016 *Meital* - The Inter-University Center for E-Learning – IUCEL

Participation in Scholarly Conferences

1987 – Attending, presenting, panelists in many international conferences and workshops. 3-4 each year. Some of which were keynotes or invited talks too numerous to detail here. The main conferences were:
SIGCSE Technical Symposium; ITiCSE Innovation and Technology in Computer Science Education, WiPCSE Workshop in Primary and Secondary Computing Education, Computational Thinking, FIE Frontiers in Engineering Education, Dagstuhl and more.

Other Professional Activities

Refereeing

Extensive refereeing for professional international journals such as: Communication of the ACM; International Journal of Mathematics Education in Science and Technology; Computers and Education and Inroads, as well as international conferences such as: SIGCSE, ITiCSE, WiPSCE, CSEDU and more.

Professional Societies

- ACM
- SIGCSE
- IEEE (until 2019)

Awards and Fellowship

2007 ACM SIGCSE Award for Outstanding Contribution to Computer Science Education

2015 IEEE Taylor L. Booth Award for outstanding research and its practical application in the field of computer science education

2017 ACM Karl V. Karlstrom Outstanding Educator Award

2021 ACM Fellow

2022 AAIA - Asia -Pacific Artificial Intelligence Association – Fellow

2024 AIIA - International Artificial Intelligence Industry Alliance – Fellow

2024 Outstanding Contribution to the ACM Award

Teaching

Teaching Responsibility for Open University Courses

1980	• Infinitesimal Calculus III	Developing with co-authors
1986	• Ordinary Differential Equations • Numerical Analysis	
1985	• Introduction to Computer	Coordination, CS team
1990	• Digital Design	
1994 1996	• Automata and Formal Languages • Operating Systems • Computability and Complexity • Data Structures and Algorithms • Algorithmics • Topics in Computer Science Education • Two units for the high school curriculum • Computer Organization • Computational Models	
2005	• Digital Design	Rewriting
2009	• Algorithmics • Data Structures and Algorithms	
2024	• Computer Applications	Academic responsibility

Other Teaching Experience

1969 - 1983	*All kind of courses, too numerous to list.*	*School of Mathematics, Tel Aviv University (TAU)*
1994 - 1995	CS Education	School of Education (TAU)

Supervising Seminars and Capstone Papers

Many, too numerous to detail here.

Supervision of Master Students

Ela Zur Tel-Aviv University 1990 Co. Prof. G. Zwas

Tal Sharon Tel-Aviv University 1991 Co. Prof. G. Zwas

Tammy Rosenthal The Hebrew University 1994 Co. Prof. N. Ben-Zvi

Tamar Vilner The Hebrew University 1995 Co. Prof. N. Ben-Zvi

Adital Zeldes The Hebrew University 1996 Co. Prof. S. Viner

Dvir Lanzberg The Open University 2003

Guy Salomon Tel-Aviv University 2006 Co. Prof. E. Turkel

Ido Karlan The Open University 2018

Livnat Ben-Hemo The Open university 2020

Chen Ulmer The Open University

Tal Cohen, The Open University, 2022, co-instructor Dr. Rami Marelly

Ofer Wald The Open University, 2023

Polina Lysak The Open University, 2025, co-instructor Orit Hazzan, Technion

Supervision of PhD Students[2]

Ela Zur Tel Aviv University 2001 Prof. G. Zwas

Michal Armoni Tel Aviv University 2003 Prof. D. Tirosh

Sharon Gal the Open University, 2025

[2] Only in 2023 the University was certified to offer PhD programs

PUBLICATIONS December 2024

Thesis and Dissertation

M.Sc. *Asymptotic Solution of Wave Propagation Problems in Slender Bodies of Revolution,* Supervisor: B. Rulf

Ph.D. *The Displacement due to Wave Propagation from a Finite Source in a Layered Elastic Solid,* Supervisor: F. Abramovitz

Open University Books (Hebrew)

Mathematics

1981	Introduction to differential equations – with Prof. Eli Levin.
1981	Numerical computation (adapted form OU English version) – development coord
1983 -1986	Calculus III – writing 6 units, and development coordinator.

Computer Science

academic responsibility and development coordinator.

1986	Introduction to Computer Science using Pascal
1988	Numerical Computation
1988	Computer Organization and Programming
1988	Digital Design (translation and study guide)
1989	Numerical Methods for Ordinary Differential Equations
1990	Prolog and Artificial Intelligence (study guide)
1990	Introduction to System Programming with C (study guide)
1991	Automata Theory and Formal Languages – rewriting
1991	Algorithmics: The foundations of Computer Science
1998	Data Structures and Introduction to Algorithms
1998	Topics in Computer Science Education – reader editing, study guide, teaching.
1998	Computational Models for High-Schools
1999	Computer Organization for High-Schools
1999	Computer Organization and Programming
2000	Introduction to Computer Science
2002	Topics in Computer Science Education (revised) –
2008	Algorithmics: The Foundations of Computer Science
2008	Data Structures and Introduction to Algorithms - a different new version based the text book,
2008	Digital Design
2014	Algorithmics: The Foundations of Computer Science – development coordinator course.
2014	Topics in Computer Science Education (updated)
2014	Workshop – Pedagogical Aspects of CS Education

Selected Articles in Refereed Journals

Published

1. Rulf & J. Gal**-**Ezer, “High Frequency Waves in Thin Bodies of Revolution”, *Journal of Sound and Vibration*, 1972, **21**, pp. 1-10.
2. F. Abramovici & J. Gal-Ezer**,** “Numerical Seismograms for a Vertical Point-Force in a Layered Solid”, *Bull. Seism. Soc. Am.*, 1978, **68**, pp. 81-101.
3. F. Abramovici & J. Gal-Ezer, “Seismic Waves from Finite Faults in Layered Media”, *Bull. Seism. Soc. Am.*, 1979, **69**, pp. 1693-1714.
4. F. Abramovici**,** J. Gal-Ezer & J. Baumgarten, “A Method for Extracting Phase Velocity Curves from Seismograms”, *Geophys. J. R. Astr. Soc.*, 1981, **65**, pp. 727-739.
5. J. Gal-Ezer & G. Zwas, “An Algorithmic Approach to Linear Systems”, *Int. J. Math. Educ. Sci. Technol.*, 1984, **15**, 4, pp. 501-519.
6. J. Gal-Ezer & G. Zwas, “Convergence Acceleration as a Computational Assignment”, *Int. J. Math. Educ. Sci. Technol.*, 1987, **18**, 1, pp. 15-28.
7. J. Gal-Ezer & G. Zwas, “The Computational Potential of Rational Approximations”, *Computers and Education*, 1987, **11**, pp. 33-46.
8. J. Gal-Ezer & G. Zwas, “Computational Aspects of Rational vs. Polynomial Interpolation”, *Int. J. Math. Educ. Sci. Technol.*, 1988, **19**, 4, pp. 567-579.
9. S. Breuer, J. Gal-Ezer & G. Zwas, “Microcomputer Laboratories in Mathematics Education”, *Computers and Mathematics*, 1990, **19**, 3, pp. 13-34.
10. J. Gal-Ezer & G. Zwas, “Error Bounds for Interpolative Approximations”, *Mathematics and Computer Education*, 1990, **24**, 3, pp. 198-212.
11. J. Gal-Ezer & G. Zwas, “Real World Models in the Teaching of Calculus”, UMAP: *J. Undergraduate Mathematics and its Application*, 1992, **13**, 2, pp. 93-100.
12. J. Gal-Ezer & G. Zwas, “Corrected Summation of Alternating Series”, *Int. J. Math. Educ. Sci. Technol.,* 1993, **24**, pp. 171-176.
13. J. Gal-Ezer & G. Zwas, “A Teachable Derivation of Asymptotic Error Expansions for Numerical Integration”, *Mathematics and Computer Education*, 1994, **28**, 3, pp. 303-313.

14. J. Gal-Ezer, “Computer Science Teachers' Certification Program”, *Computers and Education*, 1995, **25**, 3, pp. 163-168.
15. J. Gal-Ezer, C. Beeri, Harel & A.Yehudai, “A High-School Program in Computer Science”, *Computer*, 1995, **28**, 10, pp. 73-80, cit.142.
16. T. Rosenthal, J. Gal-Ezer & N. Ben-Zvi**,** “Professional Updating and Computer Training for Immigrants: A Case Study”, *GATES*, 1995, **2**, 1, pp. 26-32.
17. J. Gal-Ezer**,** “A Pre-Programming Introduction to Algorithmics”, *Mathematics and Computer Education*, 1996, **30**, 1, pp. 61-69.
18. J. Gal-Ezer & O. Lichtenstein, “A Mathematical-Algorithmic Approach to Sets: A Case Study”, *Mathematics and Computer Education*, 1997, **31**, 1, pp. 33-42.
19. J. Gal-Ezer & D. Harel, “What (else) should CS educators know?”, *Communications of the ACM,* 1998*,* **41***,* 9, pp. 77-84, cit. 130
20. C. Stephenson**,** J. Gal-Ezer, C. Rice & C. Wolf, “Revitalizing High School Computer Science: Finding Common Ground”, *Journal of Computer Science Education,* 1998*,* **12,** 1&2, pp. 8-17.
21. J. Gal-Ezer & D. Harel, “Curriculum and Course Syllabi for High-School Computer Science Program”, *Computer Science Education*, 1999, **9**, 2, pp. 114-147, cit. 81.
22. J. Gal-Ezer & A. Zeldes, “Teaching Software Designing Skills”, *Computer Science Education*, 2000, **10**, 1, pp. 25-38, cit:33.
23. J. Gal-Ezer & D. Lupo, "Integrating Internet tools into traditional CS distance education: Students' attitudes", *Computers and Education*, 2002, **38**, 4, pp. 319-329, cit: 71
24. J. Gal-Ezer & E. Zur, “The Efficiency of Algorithms – Misconceptions", *Computers and Education*, 2004, **42**, 3, pp. 215-226, cit: 60
25. J. Gal-Ezer, T. Vilner & Zur, "Teaching Efficiency at CS1 Level: A different approach", *Computer Science Education,* 2004, 14, 3, pp. 235-248.
26. Z. Erlich, J. Gal-Ezer & I. Erlich, "Skills required for participating in CMC courses: An empirical study", *Computers and Education*, 2005, 44, 4, pp. 477-487.
27. M. Armoni & J. Gal-Ezer, "Teaching Reductive Thinking", *Mathematics and Computer Education,* 2005, **39**, 2, pp. 131-142.

28. M. Armoni, J. Gal-Ezer & Tirosh, "Solving Problems Reductively", *Journal of Educational Computing Research,* 2005, 32, 2, pp. 113-129.
29. M. Armoni & J. Gal-Ezer, "Introducing Non-Determinism", *Journal of Computers in Mathematics and Science Teaching*, 2006, **25**, 4, pp. 325-359.
30. J. Gal-Ezer & H. Habiballa, "A Unique high-school curricula for informatics for grammar schools in Israel", Czech journal, *MFI Matematika-Fyzika-Informatika*, 2006**, 16**, 2, pp. 104-113.
31. M. Armoni, J. Gal-Ezer & O. Hazzan, "Reductive Thinking in Computer Science", *Computer Science Education,* 2006, **16,** 4, pp. 281-301.
32. M. Armoni & J. Gal-Ezer, "Non-determinism: An Abstract Concept in CS Studies", *Computer Science Education*, 2007, **17**, 4, pp. 243-262.
33. J. Gal-Ezer & E. Zur, "Reaching Out to CS Teachers: Certification via Distance Learning", *Mathematics and Computer Education*, 2007, **41**, 3, pp. 250-265.
34. J. Gal-Ezer & C. Stephenson, "The Current State of Computer Science in U.S. High Schools: A Report from Two National Surveys", *Journal for Computing Teachers*, 2009, http://www.iste.org/Content/NavigationMenu/Membership/SIGs/SIGCS_Computer_Science_/JCTJournalforComputingTeachers/PastIssues/2009/Spring/JCT_Spring_2009.htm
35. J. Gal-Ezer**,** T. Vilner & E. Zur, The Professor on Your PC: A Virtual CS1 Course, *Inroads SIGCSE Bulletin*, 2009, **41,** 3, pp.191-195.
36. J. Gal-Ezer, D. Shahak & E. Zur, Computer Science Issues in High school: Gender and more…, *Inroads SIGCSE Bulletin*, 2009, **41**, 3, pp. 278-282.
37. O. Hazzan, J. Gal-Ezer, & N. Ragonis, How to establish a Computer Science Teacher Preparation Program at your University, The ECSTPP Workshop, *ACM Inroads Magazine,* 2010, **1**, 1, pp. 35-39.
38. J. Gal-Ezer, & C. Stephenson, Computer Science Teacher Preparation is Critical, *ACM Inroads Magazine*, 2010, **1**, 1, pp. 61-66.
39. Z Fraiman**, J. Gal-Ezer,** E. Kanel, & T. Lapidot, An Israeli-Russian Collaboration of Ideas, *ACM Inroads Magazin,* 2013, **4**, 3, pp. 76-81.
40. J. Gal-Ezer, & C. Stephenson, A Tale of Two Countries: Successes and Challenges in K-12- Computer Science Education in Israel and the United States, *ACM Transactions on Computing Education*, 2014**, 14**, 2.

41. M. Armoni & J. Gal-Ezer, High School Computing Education Paves the Way for Higher Education and Assists in Closing the Equity Gap – the Israeli Case, *Computer Science Education*, 2014**, 24**, 3.
42. M. Armoni & J. Gal-Ezer, Early Computing Education – Why? What? When? Who?, *ACM Inroads Magazine*, 2014, **5**,4, pp. 54-59
43. J. Gal-Ezer & M. Trakhtenbrot, Identification and addressing reduction-related misconceptions, *Computer Science Education*, 2016. DOI:10.1080/08993408.2016.1171470 http://dx.doi.org/10.1080/08993408.2016.1171470
44. J. Gal-Ezer *&* M. Trakhtenbrot, Reduction Patterns – A Practical Tool for Proving Undecidability, *Proceedings of ITiCSE'16*, 2016, Arequipa, Peru, ACM 978-1-4503-4231-5/16/07. http://dx.doi.org/10.1145/2899415.2925478
45. M.E. Caspersen, J. Gal-Ezer, A. McGettrick & E. Nardelli. Informatics as a Fundamental Discipline for the 21st Century, *Communications of the ACM,* 2019, **62**, 4. DOI: 10.1145/3310330
46. A. Cohen, S. Dolev & J. Gal-Ezer. The journey of computer science and software engineering in Israeli schools *ACM Inroads*, 2022, **13**, 3, pp 29–37. DOI: 10.1145/3556879
47. M. Armoni & J. Gal-Ezer. High-School Computer Science – Its Effect on the Choice of Higher Education, *Informatics in Education*, 2023. DOI: 10.15388/infedu.2023.14.
48. M. Caspersen, J. Gal-Ezer, A. McGettrick & E. Nardelli. Informatics Education for School – A European Initiative, *ACM Inroads*, 2023, **14**,1, pp.49-53. DOI: 10.1145/3583088
49. D. Zohar and J. Gal-Ezer, Navigating to Tomorrow's HighTech Landscape: a Path based on the Israeli Case, *ACM Inroads, 2023*, **14**, 4, pp. 51–56, DOI: 10.1145/3630606.
50. J. Gal-Ezer & S. Szekely. Spark: The First Choice for Novices. *Informatics in Education*, 2024, **23**, 4, pp. 719-721. https://doi.org/10.15388/infedu.2024.26
51. McGettrick, A., Caspersen, M. E., Gal-Ezer, J., & Nardelli, E. (2024). European Digital Transformation Needs Indicators of Informatics Competence, ACM Inroads, **15**, (4), pp. 74-81. https://doi.org/10.1145/3696791

52. J. Gal-Ezer, D. Zohar and A. Rolnik. International Science Olympiads: The Israeli *Teams, Olympiads in Informatics,* 2025*,* **19,** pp. 45-60. DOI: 10.15388/ioi.2025.

Under Review

1. Ofer Wald, Judith Gal-Ezer, under review.

2. Ofer Wald, Judith Gal-Ezer, under review.

Selected Articles in Conference Proceedings

1. J. Gal-Ezer & G. Zwas, "The Construction of Library Functions in High School Mathematics", *Abstracts of the Second International Jerusalem Convention on Education*, 1989.
2. T. Rosenthal, J. Gal-Ezer &N. Ben-Zvi, "Professional Updating and Computer Training for Immigrants: A Case Study", WCCE (*Sixth IFIP World Conference Computers in Education*), Birmingham, 1995.
3. M. Daniels, J. Gal-Ezer, I. Sanders & J. Teague, “Teaching Computer Science: Experience from Four Continents”, *The Proceedings of the Twenty-Seven SIGCSE Technical Symposium on Computer Science Education*, 1996*,* pp. 102-106.
4. J. Gal-Ezer & E. Zur, “Teaching Efficiency in High School”, *FIE (Frontiers in Education) 2002, Proceedings:* http://fie.engrng.pitt.edu/fie2002/
5. J. Gal-Ezer, T. Vilner & E. Zur, "Characteristics of Students who Failed (or succeeded) in the Introductory CS Course", *FIE* 2003*, Proceedings:* http://fie.engrng.pitt.edu/fie2003/
6. M. Armoni & J. Gal-Ezer, Non-Determinism in CS High-School Curricula", *FIE* 2003, *Proceedings:* http://fie.engrng.pitt.edu/fie2003/
7. J. Gal-Ezer & D. Lanzberg, Using Synchronous and Asynchronous Online Learning in Computer Science Courses", work in progress*, FIE* 2003, *Proceedings*: http://fie.engrng.pitt.edu/fie2003/
8. J. Gal-Ezer & M. Trakhtenbrot**, "**Use of Visual tools in Distance Teaching of Computational Models", *FIE* 2003*, Proceedings:* http://fie.engrng.pitt.edu/fie2003
9. M. Armoni & J. Gal-Ezer, "On the Achievements of High School Students Studying Computational Models", *Proceedings of the 9th*

Annual SIGCSE Conference on Innovation and Technology in Computer Science Education, 2004, **36**, 3, pp. 17-21.

10. J. Gal-Ezer, D. Lanzberg & D. Shahak, "Introducing Undecidability", Tips and Techniques, *Proceedings of the 9th Annual SIGCSE Conference on Innovation and Technology in Computer Science Education*, 2004, **36**, 3, p. 276.
11. J. Gal-Ezer, D. Lanzberg & D. Shahak, "Interesting Basic Problems for CS1", Tips and Techniques, Proceedings *of the 9th Annual SIGCSE Conference on Innovation and Technology in Computer Science Education*, 2004, **36**, 3, p. 275.
12. M. Armoni, J. Gal-Ezer & O. Hazzan, "Reductive Thinking in Undergraduate CS Courses", *Proceedings of the 11th annual ITiCSE Conference on Innovation and Technology in Computer Science Education*, 2006, **38**, 3, pp.133-137.
13. J . Gal-Ezer & M. Trakhtenbrot, "Technology in Distance Teaching of Computational Models", *Proceedings* of *the 5th International Conference on Education and Information Systems, Technologies and Applications: EISTA2007,* **2**, pp. 54-59.
14. J. Gal-Ezer, "Computer Science in High-Schools: Curricula and Research", A. Jimoyiannis (ed.), *Proceedings of the 3rd Panhellenic Conference on Computer Science Education,* 2006, pp. 3-12, Korinthos, Greece.
15. T. Vilner, E. Zur, & J. Gal-Ezer, "Fundamental Concepts of CS1: Procedural vs. Object Oriented Paradigm: A Case Study", *Proceedings of the 12th Annual ITiCSE Conference on Innovation and Technology in Computer Science Education,* 2007, **39**, 3, pp. 171-175.
16. Zur, T. Vilner & J. Gal-Ezer, "Space Complexity in CS1", *Proceedings of IEEII Informatics Education Europe II, Greece,* November 2007, 126-135.
17. O. Hazzan, J. Gal-Ezer & L. Blum, "A Model for High School Computer Science Education: The Four Key Elements that Make It!" *Proceedings* of *The 39th Technical Symposium on Computer Science Education*, SIGCSE, 2008, pp. 281-285. (Appears as *Inroads, SIGCSE Bulletin*, 2008, **40**, 1, pp. 281-285.
18. J. Gal-Ezer, T. Vilner, & E. Zur, "The Professor on Your PC: a Virtual CS1 Course", *Proceedings of FIE http://fie-conference.org/fie2008/* 2008.

19. J. Gal-Ezer, T. Vilner, & E. Zur, Is the Paradigm Shift in CS1 Harmful: A Case Study, *The 40th Technical Symposium on Computer Science Education*, *SIGCSE,* Chattanooga, TN. 2009.
20. N. Ragonis, O. Hazzan & J. Gal-Ezer, A survey of Computer Science Teacher Preparation Programs in Israel tells us: Computer Science deserves s designated high school teacher preparation! *Proceedings of SIGCSE 2010 -- The 41st ACM Technical Symposium on Computer Science Education*, Milwaukee, pp. 401-405.
21. S. Cooper, B. Owens, C. Stephenson, & J. Gal-Ezer, The New CSTA K-12 Standards, *ITiCSE2012*, Haifa, 2012.
22. J Gal-Ezer, Challenges in Computer Science Education, *Proceedings WiPSCE2012,* Keynote paper, 2012.
23. J. Gal-Ezer, T. Vilner, & E. Zur, Examining at a Distance - how does it work?, *The Joy of Learning – EDEN Annual Conference Proceedings,* 2013, pp. 615-623.
24. J. Gal-Ezer & E. Zur, "What (else) should CS educators know? – revisited", *WiPSCE'13 Proceedings of the 8th Workshop in Primary and Secondary computing Education,* ACM 2013, pp. 83-86,
25. J. Gal-Ezer, R. Marelly & S. Szekely, "Plethora of Skills - Play-Learn-Practice-Invent-Share", *Proceedings ITiCSE '20, June 15–19,* 2020. https://doi.org/10.1145/3341525.3393984
26. M. Armoni, J. Gal-Ezer, M. Haskel-Ittah, R. Marelly, & S. Szekely. Computational Problem solving with Plethora, *Proceeding ISSEP*, 2021. https://issep2021.science.ru.nl/wp-content/uploads/2021/11/Computational-Problem-Solving-with-Plethora.pdf

Chapters in Books (Invited Articles in Refereed Books)

1. J. Gal-Ezer**,** "Will ODL undergo major changes in the next millennium?", *Towards Virtualization: Open and Distance Learning*, V. Venugopal Reddy and Manjulika, S. (eds.), Kogan Page India Pvt. Ltd., New Delhi, India, 2002.
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