

Leo Corry
Bert and Barbara Cohn Professor for History and Philosophy of Science,
Dean, Entin Faculty of Humanities,
Tel-Aviv University
Academic CV

Last Update: November 9, 2020

Education

- 1990: PhD, History and Philosophy of Science - Tel Aviv University, Israel
Thesis: The Origins of Category Theory as a Mathematical Discipline **Advisors:** Sabetai Unguru, Shmuel Rosset
- 1983: MSc, Pure Mathematics - Tel Aviv University, Israel
Thesis: Splitting Data in Cohomology Classes - **Advisor:** Shmuel Rosset
- 1977: Licenciatura en Matemáticas (**cum laude**) - Universidad Simón Bolívar, Caracas Venezuela
- 1972: High-School - Colegio Moral y Luces, Herzl-Bialik, Caracas Venezuela

Fellowships and Awards:

- 2019: Brazilian Academy of Philosophy: Doctor *Honoris Causa*.
- 2013: The Bert and Barbara Cohn Chair for History and Philosophy of Science.
- 2016-19 Israel Science Foundation, Research Grant: "The History of Computing in Israel (1955-1985)".
- 2009-11 G.I.F. Research Grant (together with Prof. Moritz Epple, Universität Frankfurt) "Between Modernism and Application: A Comparative Approach to Mathematical Research Culture in the Early 1900's"
- 2006: International Congress of Mathematicians, Madrid - **Invited Section Lecture**
- 2006: Wissenschaftskoleg zu Berlin (Institute for Advance Study, Berlin) - Rector's Invited Fellow
- 1995: Dibner Institute for History of Science, MIT, Cambridge, MA - Senior Research Fellow
- 1994: Max-Planck-Institut für Wissenschaftsgeschichte, Berlin - Research Fellow
- 1990: Edelstein Center for History and Philosophy of Science, Hebrew University, Jerusalem - Post-Doctoral Fellowship
- 1987: Dean of Humanities, Tel-Aviv University - Special Award for Distinction

Teaching:

- 1985 - : Cohn Institute for History and Philosophy of Science, Tel-Aviv University (Instructor - 1985, Lecturer - 1996, Senior Lecturer - 1998, Associate Professor – 2004. Professor – 2007)
- 1983-86: School of Mathematics, Tel-Aviv University (Instructor)
- 1983-90: Dept. of Mathematics, The Open University, Israel (Course Coordinator)
- 1973-77: Dept. of Mathematics, Universidad Simón Bolívar, Caracas, Venezuela (Teaching Assistant)

Languages:

Full Command:	Spanish, Hebrew, English
Full Working Ability:	German, French, Italian
High-Level Working Ability:	Portuguese, Latin

Academic Activities, Editorial Boards and Affiliations:

- 2015 - 2020: Entin Faculty of Humanities, TAU – Dean
2015 - 2016: TAU Board of Governors – Academic Representative
2013 - 2015: TAU Graduate School of Historical Studies – Director
2003 - 2009: Cohn Institute for History and Philosophy of Science, TAU – Director
1999 – 2009; 2011-2013: *Science in Context* –Editor in Chief
- 2012-13: Tel Aviv University, University Promotions and Nominations Committee.
2006 - : *Logica Universalis* – Editorial Board
2005 - : Thales and Friends (Mathematics and Human Culture) - Advisory Board
2004 - : *Advanced Studies in Mathematics and Logic* – Editorial Board
2004 -10: Netvision Institute for Internet Studies, Tel-Aviv University - Academic Board
2001 - : *Mathematical Reviews* (Historical Section) - Permanent Review Staff Member
2000 - : *Revista Brasileira de Historia da Matemática* - Editorial Board
1999-2004: *Revue d'histoire des mathématiques* (Société Mathématique de France) – Editorial Board
1999 - : *EIAL – Estudios Interdisciplinarios de America Latina y El Caribe* - Editorial Board
1999 - : Instituto de Historia y Cultura Latinoamericana, Tel Aviv University - Academic Board
1998 - : The International Commission for the History of Mathematics – Board Member
1998 - 2002: *Llull* - Journal of the Spanish Association for the History and Philosophy of Science - Editorial Board
1995 - 2005: *Mathesis*, Revista de Historia de las Matemáticas - Editorial Board

Academic Events Organized:

- October 2015: Third International Conference on the History and Philosophy of Computing
8-11 October 2015 Pisa. Program Committee.
- December 2011: Mathematical Knowledge and its Applications. The 25th Annual International Workshop on the History and Philosophy of Science. Tel-Aviv University / Van Leer Institute Jerusalem (with Yemima Ben Menachem and Carl Posy).
- November 2011: International Conference on the History and Philosophy of Computing
7—10 November 2011 Ghent University, Ghent, Belgium. Celebrating the 75th anniversary of the famous 1936 Papers by A. Church, E.L. Post and A.M. Turing. Program Committee.

- August 2010: International Conference on the History of Modern Mathematics: Cultures and elements of practices in mathematics, 1800-1930. 11-17 August 2010 Xi'an, CHINA. (Northwest University, In Association with REHSEIS-SPHERE (CNRS & University Paris Diderot), IASCUD Commission of the DHST). Academic Committee.
- October 2008: Between Modernism and Application: Comparative Studies in the History of Early 20th Century Mathematics - (with Moritz Epple and Birgit Bergmann), Rauschholzhausen (Giessen), Germany
- May 2008: History of Mathematics of the Early 20th Century: The Role of Transition (with Della Fenster and Joachim Schwermer), International Workshop, Mathematisches Forschungsinstitut Oberwolfach, Germany
- May 2008: The Cohn Institute 25 Anniversary Celebration, Tel Aviv University.
- Nov 2007: Science in Yiddish, A symposium to mark the publication of a special issue of Science in Context on "Science and Scholarship in Yiddish", Tel Aviv University
- April 2005: Albert Einstein's Legacy - A One Hundred Years Perspective. An International Symposium organized on behalf of the Israeli Academy of Sciences and Humanities, Jerusalem
- March 2005: Cultural Relativity and the Scientific Enterprise: Context and Contingency in the Development of Science. An International Symposium on the Occasion of the Centennial of Albert Einstein's *Annus Mirabilis*, Tel Aviv University
- April 2001: The History of Mathematics in the Last 25 Years: New Departures, New Questions, New Ideas. Tel Aviv University, The Van Leer Institute - Jerusalem

Graduate Students Supervised:

DOCTORAL STUDENTS

ILANA WARTENBERG: (Co-supervisor: Tony Levy, Université Paris VII), "Isaac ben Shlomo ben al-Ahdab's 'Epistle of the Number' אגרת המספר. On the Medieval Hebrew Mathematical Bookshelf. **Thesis approved – September 2008**, Tel-Aviv University.

URI PINCAS: "A Computer-Embedded Philosophy of Mathematics" (פילוסופיה של (המתמטיקה משוכנת מחשב). **Thesis approved – December 2008**, Tel-Aviv University.

ODED KOREN (Co-supervisor: Amiram Yehudai, TAU School of Computer Science): "The 'bazaar model': The evolution of the Linux kernel- from pure volunteer spirit to gigantic corporation involvement (1983-2001)". **Thesis approved – November 2010**, Tel-Aviv University.

RAYA LEVIATHAN: "Building the WEIZAC Computer at the Weizmann Institute in the Mid-Fifties: the Decision and its Effects." **Thesis approved – March 2015**, Tel Aviv University.

ITZHAK YOSEF (Co-supervisor: Thomas Ryckman, Stanford University): "The Problem of Causality and Determinism in General Relativity and its Solution." Thesis Completed October 2017, Tel Aviv University.

NEJAT DANON (Co-supervisor: Meir Hemmo, Haifa University): "Between physics and philosophy: is the measurement problem in quantum mechanics a philosophical or a physical issue?", Thesis begun February 2011, Tel Aviv University.

ROSIE LEV-HALUTZ: "The Development of non-Euclidean Geometry in the British Context (19th Century)", Thesis begun February 2018, Tel Aviv University.

KATI KISCH BAR-ON (Co-supervisor: Menachem Fisch): “Brouwer’s Intuitionism from Within: The Rise and Fall of an Unsuccessful Framework Transition Attempt”, Thesis begun May 2018, Tel Aviv University.

MA STUDENTS

ELI HARRY: “The WWW as a ‘social’ self-organizing system”. 2007, Tel-Aviv University.

ITZHAK YOSEF (Co-supervisor: Itamar Pitowsky, Hebrew University): “Causal structure in General Relativity”. 2008, Tel-Aviv University.

OFER ZINGER: “The philosophical implications of the developments of the limits of computation”. 2008, Tel-Aviv University.

SHLOMI AVNIEL: “Causality, Time & consciousness. Henri Bergson's Philosophical Criticism of Special Relativity”. 2008, Tel-Aviv University.

AVI TURGEMAN: “Finitistic Science - An Efficient & Economical Scientific Language”. 2008, Tel-Aviv University.

STAV RAVIV (Co-supervisor: Rivka Feldhay, Tel-Aviv University): “Two Dualities: an Anthropology of a Mathematical Result”, 2011, Tel-Aviv University.

YEHUDA ALON (Co-supervisor: Ofra Rechter, Tel-Aviv University): “On the Applicability of Mathematics”, 2015, Tel-Aviv University.

Service as External Academic Evaluator and Refereeing:

1. **Academic Quality Assessment and Grant Proposal Evaluations:** Agenzia Nazionale di Valutazione del Sistema Universitario e della Ricerca (Italia); Social Sciences and Humanities Research Council of Canada (Canada); Israeli Science Foundation (ISF); German-Israeli Foundation for Scientific Research and Development (GIF); CNRS (France); Minerva Foundation (Germany); Humboldt Stiftung; American Philosophical Society; Millennium Science Initiative (The World Bank); Gutenberg Research College (Johannes Gutenberg University, Mainz); Austrian Science Fund (FWF); Zukunftskolleg, University of Konstanz
2. **Peer-Review Activity for Academic Journals:** *Historia Mathematica*, *Studies in History and Philosophy of Science*, *International Journal for the History of Mathematics Education*, *Revue d'histoire des mathématiques*, *Annals of Science*, *Annals of the History of Computing*, *Configurations*, *Lull*, *Synthese*, *Notices of the American Mathematical Society*, *Philosophical Transactions of the Royal Society*, *Journal of the British Society for the History of Mathematics*
3. **Peer-Review Activity for Academic Publishers:** Princeton University Press, Oxford University Press, Cambridge University Press, Springer Verlag
4. **Academic Promotion Evaluations:** University of Paris, Case Reserve University, University of Haifa, McGill University, Universität Mainz
5. **PhD Evaluations:** University of Cambridge, University of Uppsala, University of Paris, Bar Ilan University, The Hebrew University – Jerusalem, UNAM México, Universidad de Cádiz, University of Amsterdam

Publications (in inverse chronological order)

A. BOOKS

1. *Alejo Carpentier's "Concierto Barroco"* [Hebrew: אלחו קרפנטייר – אלוו'רטו בארוקו]. Fully annotated Hebrew translation, with a biographic essay, introduction and comments. Tel Aviv, TAU Academic Publications Est. 200, pp. (2020- Forthcoming).
2. *WEIZAC: An Israeli Pioneering Adventure in Electronic Computing (1945-1963)*, Heidelberg, Springer - Springer Briefs in the History of Technology (2019). 125 pp. (with Raya Leviathan.)
3. *A Brief History of Numbers*, Oxford, Oxford University Press (2015). 330 pp.

Reviews:

- P.N. Ruane, *The Mathematical Gazette*, 101 (July 2017) , 357-358.
- Robert E. Bradley, *Historia Mathematica* 44 (4), November 2017, 423-424
- Jesper Lutzen, *Mathematical Intelligencer* 39 (3) (2017), 87–90.
- Roy Wagner, *Historia* 38 (2017), 137-145.
- Javier de Lorenzo, *Estudios Filosóficos* 188 (2106), 195-196.
- James V. Rauff, *Mathematics Teacher* (Vol. 109, No. 8, April 2016).
- Underwood Dudley, *MAA Reviews* (Oct. 15, 2105).
- Adhemar Bultheel, *EMS Reviews* (Sept. 8, 2105).

Translations:

- **Turkish:** *Sayıların Kısa Tarihi*, Istanbul: Doruk Yayinlari (2017);
- **Italian:** *Breve Storia dei Numeri*, Milano: Hoepli (2019);
- **Forthcoming: Portuguese (SBM), German (Springer), Spanish (RSEM), Chinese (HEP).**

4. *David Hilbert and the Axiomatization of Physics (1898-1918). From Grundlagen der Geometrie to Grundlagen der Physik*, Dordrecht, Springer (2004). 513 pp.

Reviews:

- Katherine Brading, *Philosophia Mathematica* 16 (2008), 113-129.
- Daniel Oriti, *Mathematical Reviews*, MR2148225 (2006i:01017).
- Jeremy Gray, *British Journal for the History of Science*; Sep 2006; 39, 142.
- Lev Beklemishe, *Studies in History and Philosophy of Modern Physics* 37 (2006) 388-390.
- Tilman Sauer, *Historia Mathematica* 33 (2006) 491-508.
- E. Roy Weintraub, *Research in the History of Economic Thought and Methodology*, 24A (2006).

5. *Modern Algebra and the Rise of Mathematical Structures*, Basel and Boston, Springer - Birkhäuser Verlag (1996). [**Second, revised edition** (2004)] – 452 pp.

Reviews:

- Karl-Heinz Schlote, *Mathematical Reviews*, 97i:01023 (1997) (Also in *Zentralblatt für Mathematik*, 858, p. 18 (1997), *NTM* 5 (3), pp. 276-77 (1997)).
- Lajos Klukovits, *Acta Scientiarum Mathematicarum*, Vol. 64 (1998).
- Luis Alonso, *Investigación y Ciencia*, January 1998, 90-95.
- Massimo Mazzotti, *British Journal for the History of Science*, 31 (1998) 99-100.
- W. W. J. Hulsbergen, *Medelingen van het wiskundig genootschap*, 3 (March 1998).

- Carlos Ortiz de Landázuri, *Anuario Filosófico*, 3 (1999).
 - Norbert Schappacher, *Mathematische Semesterberichte*, Vol. 46 (2) (1999).
 - Israel Kleiner, in *Historia Mathematica*, 28 (4) (2001), 304-312.
 - Thomas Drucker, *Bulletin of Symbolic Logic*, 13 (1) (2007), 102-104.
 - José Ferreirós, in *Isis*, 100, no. 2 (June 2009): 412-413.
6. *The Literary World of Jorge Luis Borges* [Hebrew: עולמו הספרותי של חורחה לואיס בורחס], The Broadcast University Series, Ministry of Defense, Tel-Aviv (1997). 250 pp.

B. EDITED VOLUMES

1. *Science in an Israeli Context: Case Studies*, Editor (with Tal Golan) for a Special Issue of *Science in Context*, Autumn 2010, Cambridge University Press.
2. *Science in the Latin American Context*, Editor for a Special Issue of *Science in Context*, Spring 2005, Cambridge University Press.
3. *New Studies in the History of Modern Mathematics*, Editor for a Special Issue of *Science in Context*, Spring 2004, Cambridge University Press.
4. *Studies on Science in Latin America*, Guest Editor for a Special Issue of *EIAL (Estudios Interdisciplinarios de América Latina y el Caribe)*, Vol. 14 (1), 2003, Tel-Aviv University.

C. ARTICLES in REFEREED JOURNALS:

1. "Hilbert's 6th Problem: Between the Foundations of Geometry and the Axiomatization of Physics", *Philosophical Transactions of the Royal Society (A)* – 376 (2018); 28 April 2018.
2. "From the Universal Turing Machine to Turing's Analog Computer: Father of the Modern Computer?", *Communications of the ACM* 60 (8), August 2017, pp. 50-58.
3. "Distributivity-like Results in the Medieval Traditions of Euclid's *Elements*: Between Geometry and Arithmetic", *Mathesis* Ser. V, Vol. 1 (2), (Dec. 2016).
4. "Some distributivity-like results in the the medieval arithmetic of Jordanus Nemorarius and Campanus de Novara", *Historia Mathematica* 43 (2016): 310-331.
5. "Geometry and Arithmetic in the Medieval Traditions of Euclid's *Elements*: a View from Book II", *Archive for History of Exact Science* 67 (6) (2013): 637-705.
6. "Science in an Israeli Context: Case Studies. Introduction", *Science in Context* 23 (4) (2010): 393-394 (with Tal Golan).
7. "Zionist Internationalism through Number Theory: Edmund Landau at the Opening of the Hebrew University in 1925", *Science in Context* 23 (4) (2010): 427-471 (with Norbert Schappacher).
8. "Hunting Prime Numbers from Human to Electronic Computers", *The Rutherford Journal* (rutherfordjournal.org) Vol. 3 (2010).
9. "On the History of Fermat's Last Theorem: Fresh Views on an Old Tale", *Mathematische Semesterberichte* 57 (1), (2010): 123-138.
10. "Number Crunching vs. Number Theory: Computers and FLT, from Kummer to SWAC (1850-1960), and beyond", *Archive for History of Exact Science* 62 (1) (2008): 393-455.
11. "FLT Meets SWAC: Vandiver, the Lehmers, Computers and Number Theory", *IEEE Annals for History of Computing* 30 (1) (2008): 38-49.

12. "Axiomatics between Hilbert and the New Math: Diverging Views on Mathematical Research and their Consequences on Education", *International Journal for the History of Mathematical Education* 2 (2): (2007): 21-37.
13. "Calculating the Limits of Poetic License: Fictional Narrative and the History of Mathematics", *Configurations* 15 (3) (2007): 195-226. [German Translation: "Berechnungen zur Grenze der poetischen Freiheit. Fiktionales Erzählen und die Geschichte der Mathematik", in Andrea Albrecht et al (eds.) *Zahlen, Zeichen und Figuren Mathematische Inspirationen in Kunst und Literatur*, Berlin: De Gruyter (2011), pp. 564-599.]
14. "A Clash of Mathematical Titans in Austin: Robert Lee Moore and Harry Schultz Vandiver (1924-1974)", *Mathematical Intelligencer* 29 (4) (2007): 62-74.
15. "Fermat Comes to America: Harry Schultz Vandiver and FLT (1914-1964)", *Mathematical Intelligencer* 29 (3) (2007): 30-40.
16. "El Teorema de Fermat y sus Historias", *Gaceta de la Real Sociedad Matemática Española* 9 (2) (2006): 387-42.
17. "Science in Latin-American Contexts. An Introduction", *Science in Context* 18 (2) (2005): 174-178.
18. "The History of Modern Mathematics – Writing and Re-Writing", *Science in Context* 17 (1-2) (2004): 1-21.
19. "The Origins of the Definition of Abstract Rings", *Gazette des Mathématiciens*, 83 (Janvier 2000), 28-47. (Reprint: *Modern Logic*, 8 (1-2), 1998-2000: 5-27.)
20. "David Hilbert between Mechanical and Electromagnetic Reductionism (1910-1915)", *Archive for History of Exact Science* 53, (1999): 489-527.
21. "From Mie's Electromagnetic Theory of matter to Hilbert's Unified Foundations of Physics", *Studies in History and Philosophy of Modern Physics* 30 (2): 159 – 183.
22. "Hilbert on Kinetic Theory and Radiation Theory (1912-1914)", *Mathematical Intelligencer* 20 (1998): 52-58.
23. "The Origins of Eternal Truth in Modern Mathematics: Hilbert to Bourbaki and Beyond", *Science in Context* 12 (1998): 137-183.
24. "Hermann Minkowski and the Principle of Relativity", *Archive for History of Exact Science* 51, (1997), 281-314. [Reprinted in: Vesselin Petkov (ed.), *Minkowski Spacetime: A Hundred Years Later*, New York, Springer (2010), pp. 3-42.]
25. "A Belated Decision in the Hilbert-Einstein Priority Dispute", *Science* 278 (14 Nov 1997), 1270-1273 (with Jürgen Renn and John Stachel).
26. "David Hilbert and the Axiomatization of Physics (1894-1905)", *Archive for History of Exact Science* 51, (1997): 89-197.
27. "Modern Axiomatics and Structural Algebra in the Work of David Hilbert" [Spanish: "Axiomática Moderna y Algebra Estructural", *Mathesis* 12 (1996): 1-56.
28. "Eudoxus' Proportion Theory as seen by Richard Dedekind" [Spanish: "La Teoría de las Proporciones de Eudoxio Vista por Dedekind"], *Mathesis* 10 (1994): 35-68.
29. "Kuhnian Issues, Scientific Revolutions and the History of Mathematics", *Studies in History and Philosophy of Science* 24 (1993): 95-117.
30. "Nicolas Bourbaki and the Concept of Mathematical Structure", *Synthese* 92 (1992): 315-348.
31. "Jorge Borges: Author of 'The Name of the Rose'", *Poetics Today* 13 (1992): 425-445. [Reprinted in: Nicholas Gane and Mike Gane (eds.), *Umberto Eco*, London, Sage (Masters in Modern Social Thought Series) (2005), Vol. 2: 389-406.]
32. "Textbooks and Images of Algebra in the Late Nineteenth Century" [Spanish: "Libros de Texto e Imágenes del Algebra en el Siglo XIX"], *Llull* 14 (1991): 7-30.

33. “Linearity and Reflexivity in the Growth of Mathematical Knowledge” *Science in Context* 3 (1989): 409-440.
34. “The Splitting Data of Cohomology Classes”, *Archiv der Mathematik* 44 (1985): 418-423 (with Shmuel Rosset).

D. CHAPTERS IN REFEREED BOOKS

1. “How Useful is the Term ‘Modernism’ for Understanding the History of Early Twentieth-Century Mathematics?”, in Moritz Epple and Falk Mueller (eds.) *Modernism in the Sciences, ca. 1900-1940*, Berlin, Akademie Verlag – Forthcoming.
2. “Emmy Noether’s Contribution to the Rise of the Structural Approach in Algebra”, in Mechtchild Koreuber et al (eds.) *Wie kommt das Neue in die Welt? – Emmy Noether, die Noether-Theoreme und die moderne Algebra*, Heidelberg: Springer Verlag (Springer Spektrum Series) – Forthcoming (2021).
3. "Creating a Modern Hebrew Language for Mathematics", in Nitsa Movshovitz-Hadar (ed.) *K-12 Mathematics Education in Israel. Issues and Innovations* (2018): 319-326.
4. “Mie’s Electromagnetic Theory of Matter and the Background to Hilbert’s Unified Foundations of Physics” in Joseph Kouneiher (ed.) *Foundations of Mathematics and Physics One Century After Hilbert - New Perspectives*, New York, Springer (2018):75-96.
5. “Steht es alles wirklich schon bei Dedekind? Ideals and factorization between Dedekind and Noether”, in Katrin Scheel, Thomas Sonar and Peter Ullrich (eds.) *In Memoriam Richard Dedekind (1831-1916)* Münster, Verlag für wissenschaftliche Texte und Medien (2017), pp. 134-159.
6. “Mathematical Fiction and the Prosaic Dangers of Salgarism”, in M. Emmer, M. Abate, M. Falcone, M. Villarreal (eds.) *Imagine Maths 5*, Unione Matematica Italiana, UMI, Bologna and Istituto Veneto di Scienze, Lettere ed Arti, Venice (2016), pp. 57-73.
7. “Writing the Ultimate Mathematical Textbook: Nicolas Bourbaki’s *Éléments de mathématique*”, in Eleanor Robson et al (eds.) *Handbook of the History of Mathematics*, Oxford, Oxford University Press (2009), 565-587.
8. “The Development of the Idea of Proof up to 1900”, in Tim Gowers (ed.) *The Princeton Companion to Mathematics*, Princeton, Princeton University Press (2008), 129-142.
9. “From Algebra (1895) to Moderne Algebra (1930): Changing Conceptions of a Discipline. A Guided Tour Using the Jahrbuch über die Fortschritte der Mathematik,” in J. Gray and K.H. Parshall (eds.), *Episodes in the History of Modern Algebra*, Providence: American Mathematical Society / London Mathematical Society (2007), 80-105.
10. “The Origin of Hilbert's Axiomatic Method”. In: Jürgen Renn et al (eds.). *The Genesis of General Relativity, Vol. 4 Theories of Gravitation in the Twilight of Classical Physics: The Promise of Mathematics and the Dream of a Unified Theory*, New York, Springer (2006), 139-236.
11. “Axiomatics, Empiricism, and *Anschaung* in Hilbert’s Conception of Geometry: Between Arithmetic and General Relativity”, in: Jeremy Gray and José Ferreirós (eds.) *The Architecture of Modern Mathematics: Essays in History and Philosophy*, Oxford, Oxford University Press (2006), 155-176.
12. “Heinrich Weber’s *Lehrbuch der Algebra*”, in I. Grattan-Guinness et al. (eds.) *Landmark Writings In Western Mathematics, 1640-1940*, Amsterdam, Elsevier Science (2004), 690-699.

13. "Scientific Ideas in the Works of Jorge Luis Borges and their Historical Context" [Spanish: "Algunas Ideas Científicas en la Obra de Jorge Luis Borges y su Contexto Histórico"], in Myrna Solotorevsky and Ruth Fine (eds.) *Borges en Jerusalén*, Frankfurt am Main, Vervuert/Iberoamericana (2003), 49-74.
14. "Mathematical Structures from Hilbert to Bourbaki: The Evolution of an Image of Mathematics", in A. Dahan and U. Bottazzini (eds.) *Changing Images of Mathematics in History. From the French Revolution to the new Millennium*, London: Harwood Academic Publishers (2001), 167-186.
15. "The Empirical Roots of Hilbert's Axiomatic Method", in Vincent F. Hendricks et al. (eds.) *Proof Theory: History and Philosophical Significance*, Dordrecht, Kluwer (2000): 35-54.
16. "David Hilbert: Geometry and Physics: 1900-1915", in J.J. Gray (ed.) *The Visual World: Geometry and Physics (1890-1930)*, Oxford, Oxford University Press. (1999), 145-188.

E. ARTICLES IN GENERAL ACADEMIC JOURNALS

1. "Mathematical Motifs in Borges' Writings: On the Uses and Abuses of Interpretation", *Odyssey* Vol. 4 (2009). [Hebrew: "מוטיבים מתמטיים ביצירתו של בורחס – על - פרשנות והפרזותיה אודיסאה - מסע בין רעיונות"]
2. "Albert Einstein and the Theory of Relativity: One Hundred Years of History, One Hundred Years of Historiography", *Zmanim* 71, (2007), 58-69. [Hebrew: "אלברט איינשטיין", "ותורת היחסות: מאה שנים של היסטוריה, מאה שנים של היסטוריוגרפיה זמנים"]
3. "David Hilbert and his Empiricist Philosophy of Geometry", *Boletín de la Asociación Matemática Venezolana*, 9(1) (2002), 27-44. [Spanish]
4. "The Influence of David Hilbert and Hermann Minkowski on Einstein's Views over the Interrelation between Physics and Mathematics", *Endeavour* 22(3) (1998): 95-97.
5. "Einstein, Hilbert and the General Theory of Relativity", *Investigación y Ciencia* 206 (Nov. 1998): 28-34. [Spanish]
6. "Jewish Mathematicians in Germany (1895-1933)", *Zmanim* (1998). [Hebrew: "זמנים - מתמטיקאים יהודים בגרמניה (1895-1933)"]
7. "Hilbert's 23 Problems and their Historical Background", *Boletín de la Asociación Matemática Venezolana* 5(2) (1998). [Spanish]

F. ENCYCLOPAEDIAS ENTRIES, PREFACES AND BIBLIOGRAPHIES

1. "Nicolas Bourbaki", *New Dictionary of Scientific Biography*, Charles Scribner's Sons. (2011).
2. "The History of Algebra", *Encyclopædia Britannica Online* (2007).
3. Preface to the Hebrew Translation of *Siete Noches*, Jorge Luis Borges, Tel-Aviv, HaKibutz Hamehuad (2007). ["בורחס, פריץ מאותנר, ובעיית השפה"]
4. "Structural Algebra", *Encyclopaedia Italiana - Storia della Scienza* (2004), Vol. VIII, 193-198.
5. "Theory of Invariants", *Encyclopaedia Italiana - Storia della Scienza* (2003), Vol. VII, 1025-1029.
6. Preface to the new Hebrew Edition of *Flatland*, E.E. Abbott Tel-Aviv, Babel Publishers (2000).

7. "Relativity and Mathematics – An Annotated Bibliographical Compilation", in *The History of Mathematics from Antiquity to the Present: A Selective Bibliography*, Edited by Joseph W. Dauben, Revised Edition on CD-ROM, Albert C. Lewis in Cooperation with the International Commission on the History of Mathematics, Providence, The American Mathematical Society (2000).
8. "Mario Vargas Llosa", "Alejo Carpentier", *Encyclopaedia Hebraica - Supplementary Volume* (1993) [Hebrew].

G. PAPERS PRESENTED AT SCIENTIFIC MEETINGS

1. "Mathematical Fiction and the Prosaic Dangers of Salgarism", in M. Emmer, M. Abate, M. Falcone, M. Villarreal (eds.) *Imagine Maths 5*, Unione Matematica Italiana, UMI, Bologna and Istituto Veneto di Scienze, Lettere ed Arti, Venice (2016), pp. 57-75.
2. "Axiomatics between Hilbert and the New Math: Diverging Views on Mathematical Research and their Consequences on Education", *Proceedings of the 5th European Summer University on the History and Epistemology in Mathematics Education, 2007 – Prague* (2008).
3. "On the Origins of Hilbert's 6th Problem: Physics and the Empiricist Approach to Axiomatization", in Marta Sanz-Solé et al (eds.), *Proceedings of the International Congress of Mathematicians, Madrid 2006*, Vol. 3, Zurich, European Mathematical Society (2006), 1679-1718.
4. "Paradigms and Paradigmatic Change in the History of Mathematics" in E. Asuejo and M. Hormigón (eds.) *Paradigms and Mathematics*, Madrid, Siglo XXI (1996): 169-192.
5. "Mathematical Structures: Formal and Non-formal Aspects", in A. Diez et al (eds.) *Proceedings of the Symposium on Structures in Mathematical Theories*, San Sebastián (1990): 383-389.

H. REVIEWS

1. Reviews of historical works – *Mathematical Reviews*, American Mathematical Society (since 2000).
2. Stephen Bell, *A Life in Shadow: Aimé Bonpland in Southern South America, 1817-1858*, Stanford: Stanford University Press (2010). In *EIAL* (Forthcoming 2011).
3. Israel, Giorgio; Millán Gasca, Ana. *The World as a Mathematical Game: John von Neumann and Twentieth Century Science*. (Series: Science Networks. Historical Studies, Vol. 38). Switzerland: Birkhäuser Verlag AG, 2009. In *Isis* 102 (1), 186-187 (2011).
4. Timothy Gowers, *Mathematics: A Very Short Introduction* (Oxford University Press). [Hebrew Translation by Dan Draï - Tel Aviv 2007]. In *Galileo, Israeli Journal for Science and Ecology*, December 2007.
5. Ralf Krömer, *Tool and Object: A History and Philosophy of Category Theory*, Berlin, Basel and Boston: Birkhäuser (2007). In *MAA REVIEWS* (2007). <http://mathdl.maa.org/mathDL/19/>
6. Dennis Overbye, *Einstein in Love: A Scientific Romance* (Hebrew Translation by Ofra Avigad) Haifa University Press. Zmora Bitan, 2005. In *Haaretz-Sfarim*, February 2006.
7. E. Roy Weintraub, *How Economics Became a Mathematical Science* (Duke University Press, 2002). In *Zeitschrift für Nationalökonomie* 79 (3): 289-295 (2003).
8. Charles W. Curtis, *Pioneers of Representation theory: Frobenius, Burnside, Schur, and Brauer*. (History of Mathematics, 15.) xvi + 287 pp., illus., apps., bibl., index. Providence, R.I.: American Mathematical Society, London Mathematical Society, 1999. In *Isis* Vol. 93, 126-127 (2003).
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11. Mario Vargas Llosa, *La Fiesta del Chivo* Madrid, Alfaguara (2001). In *Haaretz- Sfarim*, October 2001.
12. Apostolos Doxiadis, *Uncle Petros and Goldbach's Conjecture* (Hebrew Translation by Amir Zuckerman), Tel-Aviv, Prosa, Yedioth Aharonoth, 2001. In *Haaretz- Sfarim*, October 2001.
13. Jorge Luis Borges, *Ficciones* (Hebrew Translation by Yoram Bronowski), Tel-Aviv, Hakibbutz Hameuchad (1999). In *Haaretz- Sfarim*, December 1999.
14. Richard Dedekind, *Qué son y para qué sirven los números?, y otros escritos sobre los fundamentos de la matemática*, Edición e introducción a cargo de José Ferreirós, Alianza Editorial, Ediciones de la Universidad Autónoma de Madrid, 1998. In *Llull* 22 (1999).
15. Richard Dedekind, *Theory of Algebraic Integers*. Translated and introduced by John Stillwell, Cambridge Mathematical Library, Cambridge University Press, Cambridge, 1996. In *Llull* 22 (1999).
16. Arnon Avron, *Gödel's Theorems and the Problem of the Foundations of Mathematics* [Hebrew: המשפטי גדל ובעיית יסודות המתמטיקה] Tel-Aviv, Ministry of Defence Publications (1998). In *Haaretz- Sfarim*, August 1998.
17. José Ferreirós D., *El Nacimiento de la Teoría de Conjuntos, 1854-1908*, *Llull* 19 (1996): 613-617.
18. Jean-Paul Pier (ed.), *Development of Mathematics, 1990-1950*. *Mathesis* 12 (1996): 415-423.
19. Hourya Sinaceur, *Corps et Modèles*. In *Historia Mathematica* 23 (1996): 323-327.
20. Jorge Luis Borges, *Historia Universal de la Infamia* (Hebrew Translation by Rena Litvin) Tel Aviv, Am-Oved, Prosa Acheret, 1987. In *Al-Hamishmar*, December 1987.
21. Mario Vargas Llosa, *La Guerra del Fin del Mundo* (Hebrew Translation by Yoav Halevi) Tel Aviv, Schocken, 1987. In *Al-Hamishmar*, October 1987.
22. Alejo Carpentier, *Guerra del Tiempo; El Siglo de las Luces* (Hebrew: Yeshayahu Ostridan) Tel Aviv, Zmora-Bitan, 1987. In *Al-Hamishmar*, July 1987.

I. TRANSLATIONS (SPANISH INTO HEBREW)

1. *La Casa Verde* - הבית הירוק, Mario Vargas Llosa, Zmora Bitan, Tel-Aviv (1989).
2. *Ardiente Paciencia* - סבלנות בוערת, Antonio Skármeta, Zmora Bitan, Tel-Aviv (1991).
3. *Soñé que la nieve ardía* - חלמתי שהשלג בוער, Antonio Skármeta, Zmora Bitan, Tel-Aviv (1994).
4. *Concierto Barroco* – קונצ'רטו בארוקו, Alejo Carpentier, TAU Unniversity Press (2019).

J. GRANTED PATENTIS

1. Ofer Michael, Nadav Popplewell, Leo Corry, Hagay Dagan, "Graphical compiler", US Patent 7,203,925 (September 14, 2001) – for EMC² Corporation (Hopkinton, MA).
2. Yechiel Yochai, Leo Corry, Haim Kopylovitz, "Grid Storage System and Method of Operating Thereof" - US Patent 8,078,906 (June 10, 2010) – for Infinidat Ltd. (Herzliya, IL).
3. Yechiel Yochai, Leo Corry, Haim Kopylovitz, "Grid Storage System and Method of Operating Thereof" - US Patent 8,443,137 (February 11, 2010) – for Infinidat Ltd. (Herzliya, IL).

4. Leo Corry, Yechiel Yochai, Michael Dorfman, Haim Kopylovitz, "Grid Storage System and Method of Operating Thereof" - US Patent 8,452,922 (June 17, 2010) – for Infinidat Ltd. (Herzliya, IL).
5. Yechiel Yochai, Leo Corry, Haim Kopylovitz, "Grid Storage System and Method of Operating Thereof" - US Patent 8,495,291 (February 11, 2010) – for Infinidat Ltd. (Herzliya, IL).
6. Yechiel Yochai, Leo Corry, Haim Kopylovitz, Ido Ben-Tsion, "Virtualized storage system and method of operating thereof" - US Patent 8,539,193 (February 11, 2010) – for Infinidat Ltd. (Herzliya, IL).
7. Yechiel Yochai, Leo Corry, Haim Kopylovitz, "Virtualized storage system and method of operating thereof" - US Patent 8,555,029 (August 11, 2011) – for Infinidat Ltd. (Herzliya, IL).
8. Yechiel Yochai, Leo Corry, Haim Kopylovitz, "Method of migrating stored data and system thereof" - US Patent 8,577,836 (March 7, 2012) – for Infinidat Ltd. (Herzliya, IL).
9. Yechiel Yochai, Leo Corry, Haim Kopylovitz, "Storage system and method for snapshot space management" - US Patent 8,688,935 (January 12, 2011) – for Infinidat Ltd. (Herzliya, IL).
10. Yechiel Yochai, Leo Corry, Haim Kopylovitz, "Grid Storage System and Method of Operating Thereof" - US Patent 8,769,197 (June 5, 2013) – for Infinidat Ltd. (Herzliya, IL).
11. Yechiel Yochai, Leo Corry, Haim Kopylovitz, "Virtualized Storage System and Method of Operating Thereof" - US Patent 8,788,754 (August 11, 2011) – for Infinidat Ltd. (Herzliya, IL).
12. Yechiel Yochai, Leo Corry, Haim Kopylovitz, "Method of allocating raid group members in a mass storage system" - US Patent 8,838,889 (Jan 19, 2010) – for Infinidat Ltd. (Herzliya, IL).
13. Ido Ben-Tsion, Leo Corry, Kariel Sandler, Jacob Broido "Method of migrating stored data and system thereof" – for Infinidat Ltd. (Herzliya, IL) - US Patent 8,856,191 (Aug 1, 2012).
14. Yechiel Yochai, Haim Kopylovitz, Leo Corry "Virtualized storage system and method of operating thereof" – for Infinidat Ltd. (Herzliya, IL) - US Patent 8,918,619 (April 10, 2010).
15. Yechiel Yochai, Sivan Tal, Leo Corry "Handling enclosure unavailability in a storage system" – for Infinidat Ltd. (Herzliya, IL) - US Patent 8,930,663 (Sept. 24, 2012).
16. Haim Kopylovitz, Leo Corry "Storage systems with reduced energy consumption" – for Infinidat Ltd. (Herzliya, IL) - US Patent 8,938,582 (June 30, 2011).
17. Haim Kopylovitz, Leo Corry "Multipath storage system and method of operating thereof" – for Infinidat Ltd. (Herzliya, IL) - US Patent 9,021,232 (June 30, 2011).
18. Haim Kopylovitz, Leo Corry "Storage system and method for reducing energy consumption" – for Infinidat Ltd. (Herzliya, IL) - US Patent 9,152,332 (December 10, 2014).
19. Efraim Zeidner, Leo Corry "Pre-fetching in a storage system" – for Infinidat Ltd. (Herzliya, IL) - US Patent 9,189,407 (February 23, 2012).
20. Ido Ben-Tsion, Leo Corry, Kariel Sandler, Jacob Broido "Method of migrating stored data and system thereof" – for Infinidat Ltd. (Herzliya, IL) - US Patent 9,223,502 (September 4, 2012).

Invited Lectures (in inverse chronological order):

1. December 11, 2019: 1st World Congress of the Brazilian Academy of Philosophy in Honor of Newton da Costa 90th Birthday: **Keynote Lecture**, “Creativity and the Limits of Poetic License: the Case of Mathematical Fiction.”
2. August 22, 2019: The Fifth International Conference on History of Modern Mathematics, August 18-24, Xi’an, China: “Turing’s Pre-War Analog Computers: The Fatherhood of the Modern Computer Revisited”.
3. July 26, 2019: History of Science Society, Annual Meeting, Utrecht: “The Bourbaki Project – 80 years after”.
4. June 3, 2019: Interdisciplinary Symposium on the Occasion of the Centenary of Emmy Noether’s Habilitation Dissertation, Freie Universität, Berlin: **Keynote Lecture**, “Emmy Noether’s Contribution to the Rise of the Structural Approach in Algebra.”
5. November 23, 2017: **Dedekind Lectures III**, ETH Zurich: “Was sind und was sollen die Dedekind’schen Zahlen? Ideals, Cuts and Chains in a Unified World of Numbers .
6. September 14, 2017: Jornadas de Historia de las Matemáticas, Universidad de Cádiz: “Geometric Algebra in the Historiography of Medieval and Renaissance Mathematics”. (Spanish)
7. July 26, 2017: The 25th International Congress of History of Science and Technology, Rio de Janeiro (23-29 July): “Francisco Jose Duarte’s Calculation of the first 200 decimal digits of π (1907)”.
8. November 17-18, 2016: On Mathemata. Commenting on Ancient Greek and Arabic Mathematical Texts, Humboldt Universität, Berlin: “Distributivity-like Results in Euclid’s Elements and in the Euclidean Medieval Traditions: Between Geometry and Arithmetic”.
9. October 10, 2016: Richard Dedekind Centennial Meeting (1831 - 1916); Number Theory - Algebra - Set Theory - History - Philosophy, “*Stehtes alles wirklich schon bei Dedekind? Ideals and factorization between Dedekind and Noether.*”
10. July 14, 2016: 2^o Encontro Ibérico de História da Matemática, Coimbra, Portugal. Opening Lecture: “Geometric Algebra in the Historiography of Medieval and Renaissance Mathematics”. (Spanish – recorded online lecture.)
11. May 2, 2016: Workshop "Hilbert's Sixth Problem", University of Leicester (May 02-04, 2016) - Special LMS-IMA Lecture, “The Historical Origins of Hilbert's Sixth Problem: Geometry, Mechanics, Kinetic Theory”.
12. November 4, 2015: Third International Meeting of the APMP (November 2-4, 2015) - Institute Henri Poincaré, Paris, “Geometry and Arithmetic in the Mathematical Practice of the Medieval and Renaissance Traditions of Euclid’s *Elements*”.
13. August 19, 2015: The International Committee for the History of Technology (ICOHTEC), 42nd Symposium, Tel Aviv University, Israel - Keynote Lecture, “From the Universal Turing Machine to Turing’s Analog Computer: The Fatherhood of the Modern Computer Revisited”.
14. June 25, 2015: VII International Colloquium for History and Philosophy of Mathematics, National Autonomous University of Mexico (UNAM), “Geometric Algebra in the Historiography of Medieval and Renaissance Mathematics”.
15. March 28, 2015: Mathematics and Culture at Venice, “Mathematical Story-Telling and the Prosaic Dangers of Salgarism”.
16. September 23, 2014: The Open University, England (Jeremy Gray Retirement Meeting), “The interaction between arithmetic and geometry in the Euclidean tradition: a *longue durée* issue in the historiography of mathematics”.
17. March 20, 2013: Universität Wuppertal, (Historiography of Mathematics in the 19th and 20th Centuries): “Geometric Algebra in the Historiography of Ancient and Medieval Mathematics”.

18. March 3, 2013: Oberwolfach, MFO, (From “Mixed” to “Applied” Mathematics: Tracing an important dimension of mathematics and its history): “Turing, the Riemann Zeta-Function, and the Changing Borderline between Pure and Applied Traditions in Mathematics”.
19. October 11, 2012: Royal Flemish Academy of Belgium for Science and the Arts, (Turing in Context II – Keynote Speaker): “Turing and the Computational Tradition in Pure Mathematics: The Case of the Riemann Zeta-Function”.
20. July 19, 2012: Daejeon, South Korea, International Congress on History and Pedagogy of Mathematics: “Euclid’s Proposition II.5: A View through the Centuries-Geometry, Algebra and Teaching”.
21. May 14, 2012: University of Paris, Dennis-Diderot, Seminaire Hist. et Phil. des mathématiques: “Computations in Number Theory: The Transition to the Electronic Computer Era”.
22. February 8, 2012: University of Cambridge, HPS Seminar, “Nicolas Bourbaki and the Concept of Structure in Mathematics”.
23. February 7, 2012: University of Oxford, Algebra Seminar: “From *Algebra* (1895) to *Moderne Algebra* (1930): Changing Conceptions of a Discipline. A Guided Tour Using the *Jahrbuch über die Fortschritte der Mathematik*”.
24. February 6, 2012: University of Oxford, History of Mathematics Seminar: “Axiomatics Between Hilbert and the New Math: Diverging Views on Mathematical Research and Their Consequences on Education”.
25. February 6, 2012: University of Oxford, Topology Seminar: “Bourbaki’s Influence on Topology (1935-1970)”.
26. January 6, 2012: Oberwolfach, MFO, (Tacit Knowledge in Mathematics): “From Pure Geometry to Algebraic Geometry in Euclid’s II.5: a Case Study in Long-term Tacit Knowledge”.
27. December 14, 2011: Van Leer Institute, Jerusalem (Mathematical Knowledge and its Applications. The 25th Annual International Workshop on the History and Philosophy of Science. Tel-Aviv University / Van Leer Institute): “Category Theory and Bourbaki: a Story of Incompatibility”.
28. November 15, 2011. Tel Aviv University (International Conference – Trends and Perspectives in Mathematics): “Landau’s Hebrew List of 23 Problems: Higher Mathematics Makes ‘Aliyah’ in 1925”.
29. November 2, 2011. Van Leer Institute, Jerusalem (Bar Hillel Colloquium International Lecture Series): “Modernist Aesthetics – Modern Algebra (1890-1930)”.
30. October 26, 2011: Institut Henri Poincaré, Paris (International Colloquium, Bicentenaire de la naissance d’Évariste Galois): “Dedekind, Frobenius and the beginning of representation theory: cooperation and conflicting views”.
31. December 16, 2010. Freiburg Institute for Advanced Studies. Universität Freiburg (Ringvorlesung: Exakte Phantasie): "Axiomatics Between Hilbert and the New Math: Diverging Views on Mathematical Research and Their Consequences on Education".
32. October 27-29, 2010. Universidad del Valle, Cali, Colombia (Tercera Escuela Nacional de Historia y Educación Matemática): Key-Note Lectures on Structuralism in 20th Century Mathematics.
33. August 8, 2010. Xi’an University (International Conference on the History of Modern Mathematics. Cultures and elements of practices in mathematics, 1800-1930): “Theory and Computations in Number Theory in the USA before 1935: A Tale Of Provincial Life”.

34. May 20, 2010. Bar-Ilan University (Aesthetics and Science Symposium): “Modernist Aesthetics – Modern Algebra (1890-1930)”.
35. March 22, 2010: Racah Institute of Physics Colloquium, the Hebrew University, Jerusalem: “Hilbert, Einstein, and the Tortuous Way to the General Theory of Relativity.”
36. March 6, 2010: MFO, Germany: (History of Mathematics – Styles and Disciplines): “Axiomatics between Hilbert and R.L. Moore: Two Views on Mathematical Research and their Consequences on Education”.
37. January 28, 2010: Weizmann Institute, Physics Colloquium: “Hilbert, Einstein, and the Tortuous Way to the General Theory of Relativity.”
38. January 19, 2010: The Technion, Haifa, Science Education Colloquium: “Axiomatics between Hilbert and R.L. Moore: Two Views on Mathematical Research and their Consequences on Education”.
39. October 12-15, 2009, International Workshop: Between Modernism and Application – Comparative Studies in the History of Early 20th Century Mathematics, Rauschholzhausen, Giessen: “How useful is the term 'modernism' for understanding 20th century mathematics?”
40. August 13-15, 2009: The Danish Society of History of Science: three Lectures on the History of Modern Mathematics.
41. July 16, 2009: International Congress of History of Science and Technology, Budapest: “Hilbert's "Grundlagen der Geometrie" translated into Spanish: a case of a famous mathematical text and its contexts”.
42. July 15, 2008: Freiburg Institute for Advanced Studies, Germany: Zahlen, Zeichen und Figuren .; Mathematische Inspirationen in Kunst und Literatur. Internationale Tagung der School of Language & Literature im Freiburg Institute for Advanced Studies (FRIAS): “Calculating the Limits of Poetic License: Fictional Narrative and the History of Mathematics.”
43. January 11, 2008: Uppsala University, Sweden (Mathematics Department Colloquium): “On the Origins of Hilbert’s 6th Problem: Physics and the Empiricist Approach to Axiomatization”.
44. November 1, 2007: 18th Novembertagung on the History, Philosophy & Didactics of Mathematics. Bonn, November 1 – 4, 2007. Invited Talk: “Number Crunching vs. Number Theory from Kummer to Sloane – Some Reflections on the History of a Mathematical Discipline”.
45. October 5, 2007: University of Siena, Italy (Axiomatics in Economics: the Rise and Fall - 12th Annual EUROPEAN CONFERENCE ON THE HISTORY OF ECONOMICS). **Opening Talk:** “David Hilbert and The Axiomatic Method: Origins and Development”.
46. June 23, 2007: Prague, Czech Republic (5TH EUROPEAN SUMMER UNIVERSITY ON HISTORY AND EPISTEMOLOGY IN MATHEMATICS EDUCATION), Axiomatics between Hilbert and R.L. Moore: Two Views on Mathematical Research and their Consequences on Education”.
47. April 15, 2007: The University of Richmond “Quest” Invited Lecture Series - “David Hilbert: from "Foundations of Geometry" (1899) to "Foundations of Physics" (1915)”.
48. September 16, 2006: The Society for Analytic Philosophy, Sixth International Congress, Berlin. (Invited lecture for the Symposium: “Towards a New Epistemology of Mathematics”).
49. August 6, 2006: The International Congress of Mathematicians, Madrid, 2006 (Invited Session Talk): “On the Origins of Hilbert’s 6th Problem: Physics and the Empiricist Approach to Axiomatization”.

50. June 15, 2006: Ecole Normale Supérieure, Paris (Third International HOPOS Meeting – The Society for History of Philosophy of Science, Invited Symposium Talk): “Hilbert’s Program for the Axiomatization of Physics”.
51. June 12, 2006: Tel-Aviv University (The 21th International Workshop on the History and Philosophy of Science: “The Origins and Nature of Computation” – Research Symposium of the Israeli Science Foundation) – “Harry S. Vandiver's Attempts to Prove Fermat's Last Theorem with Electronic Computers in the 1950s”.
52. April 6, 2006: Wissenschaftskolleg zu Berlin (Weekly Colloquium) - “Fermat’s Last Theorem: How did a marginal question become an important mathematical problem. ... Or did it?”
53. March 24, 2006: Frankfurt University (International Symposium “Modernism and the Sciences: 1890-1940”) – “Is the Term Modernism Useful in Understanding the History of Twentieth Century Mathematics?”.
54. January 4, 2006: Tel-Aviv University (The Rector’s Distinguished Students Presentation Lecture) – “Scientific Excellence and the Zionist Ethos: the Beginnings of Mathematics in the Hebrew University. 1925-1945.”
55. December 6, 2005: Tel Aviv University (The School of History’s Tuesday Evenings Monthly Lecture Series): “Einstein and Relativity Theory. 100 Years of History, 100 Years of Historiography.”
56. Sept 30, 5, 2005: Rutgers University, New Jersey (Mathematics Department Colloquium) - “From *Algebra* (1895) to *Moderne Algebra* (1930): Changing Conceptions of a Discipline. A Guided Tour Using the *Jahrbuch über die Fortschritte der Mathematik*.”
57. July 5, 2005: Mykonos, Greece – “Mathematics and Narrative – An International Interdisciplinary Workshop”: “Calculating the Limits of Poetic License: Fictional Narrative and the History of Mathematics.”
58. April 12, 2005: The Israeli Academy of Science and Humanities, Jerusalem (International Einstein Centennial Colloquium): “Minkowski, Relativity and Einstein’s Changing Views on Mathematics.”
59. March 13, 2005: The Israeli Society for History and Philosophy of Science, Annual Meeting – Keynote Lecture: “Einstein and Relativity Theory. 100 Years of History, 100 Years of Historiography.”
60. February 28, 2005: Hebrew University Jerusalem (School of Computer Science, Weekly Colloquium): “Fermat’s Last Theorem: How does a marginal question becomes an important mathematical problem.”
61. February 10, 2005: Erwin Schrödinger International Institute for Mathematical Physics, Vienna: “David Hilbert: from "Foundations of Geometry" (1899) to "Foundations of Physics" (1915)”.
62. June 14-17, 2004: Fundación Canaria Orotava de Historia de la Ciencia, Tenerife, Las Canarias. Special Invited Colloquium: 1. German Mathematics and the Background to the Theory of Relativity; 2. Minkowski and the Geometrization of Relativity; 3. Borges and Scientific Ideas.
63. May 13, 2004: University of Richmond, Richmond, VA (International Conference "Exploring the History of Mathematics: How do we know what questions to ask?, 12-15 May, 2004"): “Exploring Changes in the Images of Twentieth-Century Mathematics”.
64. September 18, 2003: Universidad de Sevilla (International History and Philosophy of Mathematics Meeting): “Empiricism, *Anschauung* and General Relativity in Hilbert’s Conception of Geometry”.
65. April 22, 2003: MSRI – Berkeley (Colloquium on the The History of Algebra in the Nineteenth and Twentieth Centuries): “From *Algebra* (1895) to *Moderne Algebra* (1930): Changing Conceptions of a Discipline. A Guided Tour Using the *Jahrbuch über die Fortschritte der Mathematik*.”

66. November 24, 2002; The Center for the Study of Rationality, The Hebrew University, Jerusalem: "Hilbert's anti-formalist conception of geometry".
67. October 16, 2002; Berlin Zentrum für Literarischesforschung, Weekly Seminar: "Jorge Luis Borges and the Sciences: Visionary or Learned Ignoramus".
68. October 11, 2002; Universität Stuttgart: "Empiricist Aspects in Hilbert's Conception of Geometry".
69. March 19, 2002; Tel-Aviv University (Symposium: German presence in Latin –America): "German Physicists in Argentina – Early Twentieth Century"
70. March 13, 2001; Van Leer Institute, Jerusalem (Second Yearly Meeting, The Israeli Society for History and Philosophy of Science): "German Algebraists and the (pre)-History of Israeli Mathematics"
71. March 13, 2001; The Hebrew University, Jerusalem (Symposium - "Einstein: the Man of the Century"): "Einstein, Hilbert and the Others: Tensions and Collaboration on the Way to General Relativity".
72. January 9, 2001; Institut Henri Poincaré, Paris (Colloque d'histoire des mathématiques): "Minkowski: Axiomatics, Geometry, Physics".
73. October 21-26, 2000; Göttingen University, Germany ("Göttingen and the Natural Sciences in the 18th and 19th Century"): "Hilbert and his Influence on Göttingen Physics (1905-1915)".
74. Jan 30 - Feb 4, 2000; Oberwolfach, MFI, (History of Mathematics in the Twentieth Century): "Hilbert and Physics".
75. July 1999; University of Notre Dame, Indiana, USA (V International Conference on the History and Foundations of General Relativity): "From Mie's Electromagnetic Theory of Matter to Hilbert's Unified Foundations of Physics".
76. June 1999; Universidad de Zaragoza, Spain (IV Simposio Internacional Galdeano - El Paradigma Hilbertiano en la Matemática del Siglo XX): "Hilbert was not a Formalist".
77. June 1999; Oberwolfach, MFI ("Meeting on History of Number Theory): "Algebraic Structures in the History of Number Theory".
78. June 1999; Göttingen University, Germany ("The Application of the Axiomatic Approach to the Physical Sciences" - A colloquium on occasion of the 100th anniversary of the publication of David Hilbert's *Grundlagen der Geometrie*): "Foundational and Pragmatic Aspects of Hilbert's Axiomatic Approach".
79. May 1999; Van Leer Institute - Jerusalem (Bar Hillel Colloquium for History, Philosophy and Sociology of Science): Comments to Tom Ryckman's Talk "World Geometries: Weyl and Eddington"
80. April 1999; Tel-Aviv University - Israel (IX Congreso de la Federación Internacional de Estudios Sobre América Latina y el Caribe): "Algunas Ideas Científicas en la Obra de Jorge Luis Borges y su Tránsito Histórico".
81. October 1998; Roskilde University, Denmark (International Meeting "Bourbaki – Origins and Influence"): (1) "The Prehistory of Mathematical Structures" ; (2) "Bourbaki's *Structures* and Category Theory"
82. October 1998; University of Copenhagen, Denmark, Mathematics Dept.: "Hilbert and Physics"
83. October 1998; Aarhus University, Denmark, Philosophy Dept.: "Recent Trends in the Philosophy of Mathematics"
84. May 1998; Seven Pines Symposium, Wisconsin, USA: "Physics and Mathematics at the Turn of the Century": "Hilbert's Axiomatic Method and its Influence on the Development of Physics in the Twentieth Century"

85. November 1997; Van Leer Institute - Jerusalem (Bar Hillel Colloquium for History, Philosophy and Sociology of Science): Comments to Menachem Fisch's Talk "Victorian Mathematics."
86. November 1997; Roskilde University, Copenhagen (International Meeting "Proof Theory - Origin and Development"): "The Empirical Roots of Hilbert's Axiomatic Approach"
87. September 1997; CIRM - Luminy, Marseille (Colloque International d'histoire des Mathématiques: Constructions, Reconstructions et Images de Corpus Mathématique dans l'Histoire): "Mathematical Structures from Hilbert to Bourbaki - The Evolution of an Image of Mathematics."
88. November 1996; ETH Zürich (Symposium on The Origins and Development of Eternal Truth in Mathematics): "The Origins and Development of Eternal Truth in Modern Mathematics - Hilbert to Bourbaki."
89. March 1996: The Open University, Milton Keynes (Meeting on "Geometry and Physics, 1900-1930): "Hilbert and Physics" (2 Lectures).
90. February 1996: Duke University, Durham (The Triangle Colloquium for History of Science and Technology): "Hilbert's Empiricist Approach to Geometry"
91. October 1995: Dibner Institute for History of Science and Technology, MIT: "Nicolas Bourbaki and the Myth of Mathematical Structures."
92. July 1995: Fourth International Symposium on the History of General Relativity, Berlin: "Hilbert's Way to General Relativity."
93. September 1994: Universidad de Zaragoza, Segundo Simposio Galdeano sobre Historia de las Matemáticas: "Paradigmas, la Agenda Kuhniana y la Historia de las Matemáticas."
94. July 1993: Fourth Göttingen Workshop on the History of Modern Mathematics, Universität Göttingen: "Nicolas Bourbaki and the Myth of Mathematical Structures."
95. July 1991: Second Göttingen Workshop on the History of Modern Mathematics, Universität Göttingen: "Could Dedekind Have written van der Waerden's *Moderne Algebra*?"
96. September 1990: Symposium on Structures in Mathematical Theories, Universidad de San Sebastián: "Mathematical Structures: Formal and Informal Aspects".