

CURRICULUM VITAE and LIST OF PUBLICATIONS**I. CURRICULUM VITAE****1. HIGHER EDUCATION**

1971 – 1975

Tel-Aviv University; Department of Physics; B.Sc. (February 1975)

1975 – 1977

King's College, London University;
Department of History and Philosophy of Science; M.Sc. (March 1978)

1977 – 1985

King's College, London University;
Department of History and Philosophy of Science; Ph.D. (June 1985)**2. ACADEMIC RANKS and TENURE in INSTITUTIONS OF HIGHER EDUCATION**

Dates	Name of Institution and Department	Rank
May 1986 – Sep. 1987	The Edelstein Center for the History and Philosophy of Science, The Hebrew University, Jerusalem	Post-doctoral fellow
Oct. 1987 – May 1993	Department of Philosophy University of Haifa	Lecturer
Oct. 1989 – Sep. 1990 February, Summer 1991 February, Summer 1992	Department of Philosophy Center for History and Philosophy of Science, Konstanz University, Germany	Alexander von Humboldt fellow
May 1993 – May 2003	Department of Philosophy University of Haifa	Senior lecturer (with tenure)
Sep. – Oct. 1995	Department of Philosophy Konstanz University, Germany	DAAD research fellow
Jan. – Feb. 1996 Sep. – Oct. 1997	Center for Philosophy of Science University of Pittsburgh, USA	Visiting fellow
June 2003 – July 2008	Department of Philosophy University of Haifa	Associate professor
Sep. 2004 – Aug. 2005	Dibner Institute, MIT Cambridge, Massachusetts	Dibner Senior Fellow
June – July 2007	Max-Planck Institute for the History of Science Berlin, Germany	Visiting research fellow (GIF pro- ject)

Dates	Name of Institution and Department	Rank
Sep. 2007 – June 2008	Netherlands Institute for Advanced Study in the Humanities and Social Sciences (NIAS) Wassenaar, The Netherlands	NIAS research fellow
August 2008 –	Department of Philosophy University of Haifa	Full professor
Aug. – December 2010	Philosophy Department, Bielefeld University, Germany	Alexander von Humboldt fellow
July – September 2012	Zukunftskolleg, University of Konstanz	Senior fellow
March – June 2016	California Institute of Technology Pasadena, California, USA	Visiting Associate in Philosophy
July – October 2019	University of Sydney, Australia	Visiting Fellow
Oct. 2020 – March 2021	Vienna Circle Institute	Visiting Fellow
Oct. 2021 – March 2022	MECS, Leuphana Universität, Lüneburg	Visiting Fellow

3. RESEARCH GRANTS

January 2004 – December 2007

The German Israeli Foundation (GIF) grant: “Generating Experimental Knowledge: Experimental Systems, Concept Formation and the Pivotal Role of Error”. **PIs:** Giora Hon, Hans-Jörg Rheinberger, and Friedrich Steinle.

October 2004 – September 2007

The Israel Science Foundation (ISF) grant: “Science and Instruments: Theory and practice of early telescopic observations,” Giora Hon **PI** and Dr. Yaakov Zik post-doctoral fellow.

October 2009 – September 2013

The Israel Science Foundation (ISF) grant: “Johannes Kepler’s ‘reformation of all of astronomy’ (1609): The Role of Optics and Observations,” Giora Hon **PI** and Dr. Yaakov Zik post-doctoral fellow.

October 2013 – September 2016

The Israel Science Foundation (ISF) grant: “Roger Bacon (1214–1294) and the Making of the Concept of Law of Nature,” Giora Hon **PI** and Dr. Yael Raizman-Kedar post-doctoral fellow.

January 2017 – December 2020

Ministerio de economía y competitividad; División de programación y gestión económica y administrativa; Subdivisión de planificación y gestión administrativa; Universidad de Granada, España; grant: “Los límites de la física cuántica—formalismo, interpretación, visualización y estética.”

November 2017

The Israel Science Foundation (ISF) grant: “Law and Order: The status of natural regularities before the scientific revolution” (International Workshop)

October 2021 – September 2024

The Israel Science Foundation (ISF) grant: “Certainty without doubt and truth without error”: The mathematical epistemology of Roger Bacon. **PIs:** Giora Hon and Yael Kedar

II. PUBLICATIONS

A. Ph.D. DISSERTATION

On the Concept of Experimental Error
(English; 380pp; April 1985)
Supervisor: Professor H. Post (King's College, London University)

B. BOOKS

Authored books

1. Giora Hon, and Bernard R. Goldstein. 2008. *From Summetria to Symmetry: The Making of a Revolutionary Scientific Concept*. Archimedes: New Studies in the History and Philosophy of Science and Technology, 20. Dordrecht: Springer (350 pp.).
2. Giora Hon, and Bernard R. Goldstein. 2020. *Reflections on The Practice of Physics: James Clerk Maxwell's Methodological Odyssey in Electromagnetism*. London and New York: Routledge (261 pp.).

Edited books

1. Giora Hon, and Sam Rakover. (eds.) 2001. *Explanation: Theoretical Approaches and Applications*. Synthese Library, vol. 302. Dordrecht: Kluwer Academic Publishers (346 pp.).
2. Giora Hon, Jutta Schickore, and Friedrich Steinle. (eds.) 2009. *Going Amiss in Experimental Research*. Boston Studies in the Philosophy of Science, vol. 267. Dordrecht: Springer (277 pp.).
<http://www.springer.com/philosophy/epistemology+and+philosophy+of+science/book/978-1-4020-8892-6>
3. Ernst Mach. [1912] 2012. *Die Mechanik in ihrer Entwicklung, historisch-kritisch dargestellt*, 7. Auflage. Ernst-Mach-Studienausgabe, Band 3, eingeleitet und bearbeitet von Gereon Wolters und Giora Hon. Berlin: Xenomoi Verlag.
<http://www.xenomoi.de/philosophie/mach-ernst/248/ernst-mach-die-mechanik-in-ihrer-entwicklung.-historisch-kritisch-dargestellt?c=1186>
4. Marcel Boumans, Giora Hon, and Arthur Petersen (eds.). 2013. *Error and Uncertainty in Scientific Practice*. London: Pickering & Chatto.
<http://www.pickeringchatto.com/titles/1532-9781848934160-error-and-uncertainty-in-scientific-practice>
5. Giora Hon and Martin Carrier (guest editors, special section). 2015. "Philosophers meet Biologists." Essays by Erez Braun and Shimon Marom, Sara Green, William Bechtel, and Ulrich Krohs. *Studies in History and Philosophy of Biological and Biomedical Sciences* 53: 63–101.
<http://www.sciencedirect.com/science/article/pii/S1369848615000643>
6. Arianna Borrelli, Giora Hon, and Yaakov Zik (eds.). 2017. *The Optics of Giambattista Della Porta (1535–1615): A Reassessment*. Archimedes: New Studies in the History and Philosophy of Science and Technology. Springer.
<http://link.springer.com/book/10.1007%2F978-3-319-50215-1>
7. Giora Hon and Yael Kedar (guest editors, Article Collection). (2020). "Law and Order: The status of natural regularities before the scientific revolution." *Studies in History and Philosophy of Science Part A* 81: 1–73.

C. ARTICLES in REFEREED JOURNALS

Published

1. Hon, Giora. 1987. "H. Hertz: 'The electrostatic and electromagnetic properties of the cathode rays are either *nil* or very feeble.' (1883) A Case-Study of an Experimental Error." *Studies in History and Philosophy of Science* 18: 367–382.
2. Hon, Giora. 1987. "On Kepler's Awareness of the Problem of Experimental Error." *Annals of Science* 44: 545–591.
3. Hon, Giora. 1989. "Franck and Hertz versus Townsend: A Study of Two Types of Experimental Error." *Historical Studies in the Physical and Biological Sciences* 20: 79–106.
4. Hon, Giora. 1989. "Is There a Concept of Experimental Error in Greek Astronomy?" *The British Journal for the History of Science* 22: 129–150. (The paper has received a prominent exposition in a review article published in the French Journal, *La Recherche* 21 (1990), 80–83.)
5. Hon, Giora. 1989. "Towards a Typology of Experimental Errors: an Epistemological View." *Studies in History and Philosophy of Science* 20: 469–504.
6. Hon, Giora. 1991. "A Critical Note on J. S. Mill's Classification of Fallacies." *The British Journal for the Philosophy of Science* 42: 263–268.
7. Hon, Giora. 1991. "Can the Monster *Errour* be slain?" *International Studies in the Philosophy of Science* 5: 257–268.
8. Hon, Giora. 1995. "Going Wrong: To Make a Mistake, to Fall into an Error." *The Review of Metaphysics* 49: 3–20. (8a. Republication in Gurba, Krzysztof and Ewa Zarnecka-Bialy. (eds.) 1998. *Philosophy & Error*. Jagiellonian University Press, Kraków. *Dialogikon* 7, pp. 127–140.)
9. Hon, Giora. 1996. "Disturbing, But Not Surprising: Did Gödel Surprise Einstein With a Rotating Universe and Time Travel?" *Foundations of Physics* 26: 501–521.
10. Hon, Giora. 1996. "Completeness Has to be Restricted: Gödel's Interpretation of The Parameter *t*." In *Gödel'1996: Logical Foundations of Mathematics, Computer Science and Physics—Kurt Gödel's Legacy*, edited by Petr Hajek. Berlin, Heidelberg: Springer; *Lectures Notes in Logic* 6: 214–223. (10a. Reprint by the Association for Symbolic Logic, Natick, Massachusetts: A. K. Peters 2001.)
11. Hon, Giora. 1998. "Exploiting Errors" (Essay-Review). *Studies in History and Philosophy of Science* 29: 465–479.
12. Hon, Giora. 2003. "From Propagation to Structure: The Experimental Technique of Bombardment as a Contributing Factor to the Emerging Quantum Physics." *Physics in Perspective* 5: 150–173. (12a. Published in a Hungarian translation ["A bombázás kísérleti technikája és a kvantumfizika keletkezése"] in a book containing case studies on "turning points" in science.)
13. Hon, Giora. 2004. "Gödel, Einstein, Mach: Casting Constraints on All-embracing Concepts." *Foundations of Science* 9: 25–64.
14. Hon, Giora. 2004. "Putting Error to (Historical) Work: Error as a Tell-tale in the Studies of Kepler and Galileo." *Centaurus* 46: 58–81. (14a. Published in a Russian translation in a Journal for Philosophy of Science in Russia.)

15. Hon, Giora, and Bernard R. Goldstein. 2004. "Symmetry in Copernicus and Galileo." *Journal for the History of Astronomy* 35: 273–292.
16. Hon, Giora, and Bernard R. Goldstein. 2005. "Legendre's Revolution (1794): The Definition of Symmetry in Solid Geometry." *Archive for History of Exact Sciences* 59: 107–155.
17. Hon, Giora. 2005. "Fehler und Irrtum—Galileo versus Kepler: Der Messfehler bietet eine Zugang zur Geschichte und Philosophie der Physik." *Physik Journal* 4: 37–44.
18. Hon, Giora, and Bernard R. Goldstein. 2005. "From Proportion to Balance: the background to symmetry in science." *Studies in History and Philosophy of Science* 36: 1–21.
19. Goldstein, Bernard R., and Giora Hon. 2005. "Kepler's Move from *Orbs* to *Orbits*: Documenting a Revolutionary Scientific Concept." *Perspectives on Science* 13: 74–111.
20. Hon, Giora, and Bernard R. Goldstein. 2005. "How Einstein Made Asymmetry Disappear: Symmetry and Relativity in 1905." *Archive for History of Exact Sciences* 59: 437–544. (The paper of 107 pages, the length of a monograph, appeared in a separate issue of this journal.)
21. Hon, Giora. 2005. "Kant vs. Legendre on *Symmetry*: mirror images in philosophy and mathematics." *Centaurus* 47: 283–297. (In its promotion campaign the Journal considers this paper one of its "highly read articles" and placed it for free downloading on the web.)
22. Hon, Giora, and Bernard R. Goldstein. 2006. "Symmetry and Asymmetry in Electrodynamics from Rowland to Einstein." *Studies in History and Philosophy of Modern Physics* 37: 635–660.
23. Hon, Giora, and Bernard R. Goldstein. 2006. "Adding velocities without exceeding the velocity of light: Wilhelm Wien's algorithm (1904) and Albert Einstein's light postulate (1905)." *Centaurus* 48: 89–113.
24. Raveh, Rami, and Giora Hon. 2006. "Can Error Imply Existence? St. Augustine, the Skeptics, and Descartes." *Philosophy and Theology* 18: 201–218.
25. Hon, Giora, and Bernard R. Goldstein. 2006. "Unpacking 'For reasons of symmetry': Two Categories of Symmetry Arguments." *Philosophy of Science* 73: 419–439.
26. Bernard R. Goldstein, and Giora Hon. 2007. "Celestial Charts and Spherical Triangles: The Unifying Power of *Symmetry*." *Journal for the History of Astronomy* 38: 1–14.
27. Hon, Giora, and Yaakov Zik. 2007. "Geometry of light and shadow: Francesco Maurolyco (1494–1575) and the pinhole camera." *Annals of Science* 64: 549–578.
28. Granek, Galina, and Giora Hon. 2008. "Searching for Asses, Finding a Kingdom: The Story of the Invention of the Scanning Tunneling Microscope (STM)." *Annals of Science*, 65: 101–125.
29. Hon, Giora, and Bernard R. Goldstein. 2008. "What Keeps the Earth in its Place? The Concept of Stability in Plato and Aristotle." *Centaurus* 50: 305–323.
30. Hon, Giora, and Yaakov Zik. 2009. "Kepler's *Optical Part of Astronomy* (1604): introducing the ecliptic instrument." *Perspectives on Science* 17: 307–345.
31. Hon, Giora, and Bernard R. Goldstein. 2009. Spotlight on: The Nature of Scientific Change; "In Pursuit of Conceptual Change: the Case of Legendre and Symmetry." *Centaurus* 51: 288–293.

32. Zik, Yaakov, and Giora Hon. 2012. "The eccentricity of the Sun: Kepler's novel method of calculation." *Journal for the History of Astronomy* 43: 181–189.
33. Zik, Yaakov, and Giora Hon. 2012. "Magnification: How to turn a spyglass into an astronomical telescope." *Archive for History of Exact Sciences* 66: 439–464.
34. Hon, Giora, and Bernard R. Goldstein. 2012. "Maxwell's contrived analogy: An early version of the methodology of modeling." *Studies in History and Philosophy of Modern Physics* 43: 236–257.
35. Hon, Giora, and Bernard R. Goldstein. 2013. "J. J. Thomson's Plum-Pudding Atomic Model: The Making of a Scientific Myth." *Annalen der Physik* (Berlin) 525, No. 8–9: A129–A133.
36. Hon, Giora, and Bernard R. Goldstein. 2013. "Centenary of the Franck-Hertz Experiments." *Annalen der Physik* (Berlin) 525, No. 12: A179–A183.
37. Goldstein, Bernard R., and Giora Hon. 2013–2014. "The Image that Became the Icon for Atomic Energy." *Physis* 49: 259–272.
38. Goldstein, Bernard R., and Giora Hon. 2014. "Palmieri and Vesel on Symmetry and Harmony in Copernicus' Cosmology." *Aestimatio* 11: 202–204.
39. Hon, Giora, and Martin Carrier (guest editors). 2015. Introduction. "Philosophers meet Biologists." Essays by Erez Braun and Shimon Marom, Sara Green, William Bechtel, and Ulrich Krohs. *Studies in History and Philosophy of Biological and Biomedical Sciences* 53 (special section): 63–67.
40. Hon, Giora, and Bernard R. Goldstein. 2015. "How to Conceive the Atom: Imagery vs. Formalism." *Kairos* 13: 213–236.
41. Hon, Giora, and Bernard R. Goldstein. 2016. "The Double-face of Symmetry: A Conceptual History." *Abhandlungen der Deutschen Akademie der Naturforscher, Nova Acta Leopoldina (Neue Folge)* 412: 1–29.
42. Zik, Yaakov, and Giora Hon. 2017. "History of Science and Science Combined: Solving a Historical Problem in Optics—the Case of Galileo and his Telescope." *Archive for History of Exact Sciences* 71: 337–344.
43. Kedar, Yael, and Giora Hon. 2017. "'Natures' and 'Laws': The Making of the Concept of Law of Nature—Robert Grosseteste (c. 1168–1253) and Roger Bacon (1214/1220–1292)." *Studies in History and Philosophy of Science* 61: 21–31.
44. Kedar, Yael, and Giora Hon. 2017. "Roger Bacon (c.1220–1292) and his System of Laws of Nature: Classification, Hierarchy and Significance." *Perspectives on Science* 25 (6): 719–745.
45. Kedar, Yael, and Giora Hon. 2020. "Law and Order: The status of natural regularities before the scientific revolution." *Studies in History and Philosophy of Science* Part A, 81: 1–5.
46. Goldstein, Bernard R., and Giora Hon. 2020. "Scientific Methodology in Medieval Astronomy and Cosmology: The Case of Levi ben Gerson (1288–1344)." *Aleph* 20: 229–261.
47. Hon, Giora, and Bernard R. Goldstein. 2021. Maxwell's Role in Turning the Concept of Model into the Methodology of Modeling. *Studies in History and Philosophy of Science* Part A, 88: 321–333.

D. ARTICLES or CHAPTERS in BOOKS which are not CONFERENCE PROCEEDINGS

1. Hon, Giora. 1993. "The Unnatural Nature of the Laws of Nature: Symmetry and Asymmetry," in French, S. and Kamminga H. (eds.), *Correspondence, Invariance and Heuristics*. Boston Studies Series. Kluwer, pp. 171–187.
2. Hon, Giora. 1995. "Is the Identification of Experimental Error Contextually Dependent? The Case of Kaufmann's Experiment and Its Varied Reception," in Buchwald, J. (ed.), *Scientific Practice: Theories and Stories of Doing Physics*. Chicago: Chicago University Press, pp. 170–223.
3. Hon, Giora. 1998. "Hertz's Study of Propagation vs. Rutherford's Study of Structure: Two Modes of Experimentation and Their Theoretical Underpinnings," in Baird, D., Hughes, R. I. G. and Nordmann, A. (eds.), *Heinrich Hertz: Classical Physicist, Modern Philosopher*. Boston Studies Series, Kluwer Academic Publishers, pp. 59–72.
4. Hon, Giora. 1998. "If This Be Error': Probing Experiment With Error," in Heidelberger, M. and Steinle, F. (eds.), *Experimental Essays—Versuche zum Experiment*. Nomos, Baden-Baden, pp. 227–248.
5. Hon, Giora. 2000. "The Limits of Experimental Method: Experimenting on an Entangled System—The Case of Biophysics," in Carrier, M., Massey, G. J. and Reutsche, L. (eds.), *Science at Century's End: Philosophical Questions on the Progress and Limits of Science*. Pittsburgh: University of Pittsburgh Press, pp. 284–307.
6. Hon, Giora. 2001. "The Why and How of Explanation: an Analytical Exposition," in Hon, G. and Rakover, S. (eds.), *Explanation: Theoretical Approaches and Applications*. Dordrecht: Kluwer Academic Publishers, pp. 1–43.
7. Hon, Giora. 2002. "Gödel, Einstein, Mach: Die Vollstaendigkeit physikalischer Theorien," in Buldt, B., Köhler, E., Stöltzner, M., Weibel, P., Klein, C. and Depauli-Schimanovich-Göttig, W. (Hrsg.), *Kurt Gödel Wahrheit und Beweisbarkeit*. Band 2: Kompendium zum Werk. Wien: öbv&Hölder-Pichler-Tempsky, pp. 251–267.
8. Hon, Giora. 2003. "The Idols of Experiment: Transcending the 'Etc. List'," in Radder, H. (ed.), *The Philosophy of Scientific Experimentation*. Pittsburgh: University of Pittsburgh Press, pp. 174–197. (8a. Published in a Russian translation in a Journal for Philosophy of Science in Russia.)
9. Hon, Giora. 2003. "Contextualizing an Epistemological Issue: the Case of Error in Experiment," in Stadler, F. (ed.), *The Vienna Circle and Logical Empiricism: Re-evaluation and Future Perspectives*. Vienna Circle Institute Yearbook 10/2002. Dordrecht: Kluwer Academic Publishers, pp. 253–264.
10. Hon, Giora. 2003. "An Attempt at a Philosophy of Experiment," in Galavotti, Maria Carla (ed.), *Observation and Experiment in the Natural and Social Sciences*. Dordrecht: Kluwer Academic Publishers, pp. 259–284. Two commentary essays follow; Raffaella Campaner, "An Attempt at a Philosophy of Experimental Error—a comment on Giora Hon," pp. 285–293; and Gereon Wolters, "O Happy Error—a comment on Giora Hon," pp. 295–299.
11. Hon, Giora. 2003. "Does a Living System Have a State?" in Rojszczak, Artur, Jacek Cachro, and Gabriel Kurczewski (eds.), *Philosophical Dimensions of Logic and Science*. Synthese Library vol. 320. Dordrecht: Kluwer Academic Publishers, pp. 139–150.

12. Hon, Giora. 2009. "Error: the long neglect, the one-sided view, and a typology," in Hon, Giora, Jutta Schickore, and Friedrich Steinle. (eds.), *Going Amiss in Experimental Research*. Boston Studies in the Philosophy of Science, vol. 267. Dordrecht: Springer, pp. 11–26.
13. Hon, Giora. 2009. "Living extremely flat: the life of an automaton; John von Neumann's conception of error of (in)animate systems," in Hon, Giora, Jutta Schickore, and Friedrich Steinle. (eds.), *Going Amiss in Experimental Research*. Boston Studies in the Philosophy of Science, vol. 267. Dordrecht: Springer, pp. 55–71.
14. Hon, Giora, Jutta Schickore, and Friedrich Steinle. 2009. "Introduction," in Hon, Giora, Jutta Schickore, and Friedrich Steinle. (eds.) (2009). *Going Amiss in Experimental Research*. Boston Studies in the Philosophy of Science, vol. 267. Dordrecht: Springer, pp. 1–7.
15. Hon, Giora, Jutta Schickore, and Friedrich Steinle. 2009. "Epilogue," in Hon, Giora, Jutta Schickore, and Friedrich Steinle. (eds.), *Going Amiss in Experimental Research*. Boston Studies in the Philosophy of Science, vol. 267. Dordrecht: Springer, pp. 273–277.
16. Hon, Giora. 2009. "Kepler's Conception of Error in Optics and Astronomy: a Comparison with Galileo," in Richard L. Kremer and Jaroslaw Wlodarczyk (eds.) *Studia Copernicana* 42 (Warsaw, 2009), pp. 205–222.
17. Goldstein, Bernard R., and Hon, Giora. 2011. "Duhem's Continuity Thesis: The Intrusion of Ideology into History of Science," in *Studies in the History of Culture and Science. A Tribute to Gad Freudenthal*. Eds. Resianne Fontaine, Ruth Glasner, Reimund Leicht, and Giuseppe Veltri. Leiden & Boston: Brill, pp. 385–410.
18. Boumans, Marcel, and Hon, Giora. 2013. "Introduction," in Boumans, Marcel, Giora Hon, and Arthur Petersen (eds.), *Error and Uncertainty in Scientific Practice*. London: Pickering & Chatto, pp. 1–12.
19. Hon, Giora. 2015. "Kepler's revolutionary astronomy: Theological unity as a comprehensive view of the world," in T. Demeter, K. Murphy, and C. Zittel (eds.), *Conflicting Values of Inquiry: Ideologies of Epistemology in Early Modern Europe*. Leiden: Brill, pp. 155–175.
20. Hon, Giora, and Goldstein, Bernard R. 2015. "Constitution and Model: Bohr's Quantum Theory and Imagining the Atom," in F. Aaserud and H. Kragh (eds.). *One hundred years of the Bohr atom: Proceedings from a conference*. Scientia Danica. Series M: Mathematica et physica, vol. 1. Copenhagen: The Royal Danish Academy of Sciences and Letters, pp. 345–357.
21. Hon, Giora, and Carrier, Martin (guest editors, special section). 2015. Preface and Introduction: "Philosophers meet Biologists." *Studies in History and Philosophy of Biological and Biomedical Sciences* 53: 63–67.
22. Hon, Giora. 2016. "'Baseline' and 'Snapshot': Philosophical reflections on an approach to historical case studies," in T. Sauer, and R. Scholl (eds.), *The Philosophy of Historical Case Studies*. Boston Studies in the Philosophy and History of Sciences, Vol. 319. Springer, pp. 31–47.
23. Zik, Yaakov, and Hon, Giora. 2017. "Giambattista Della Porta (1535–1615): A magician or an optician?" in A. Borrelli, G. Hon, and Y. Zik (eds.), *The Optics of Giambattista Della Porta (1535–1615): A Reassessment*. Archimedes: New Studies in the History and Philosophy of Science and Technology. Springer, pp. 39–55.

24. Zik, Yaakov and Giora Hon. 2017. "Conclusion: A Reassessment," in A. Borrelli, G. Hon, and Y. Zik (eds.), *The Optics of Giambattista Della Porta (1535–1615): A Reassessment*. Archimedes: New Studies in the History and Philosophy of Science and Technology. Springer, pp. 201–205.
25. Goldstein, Bernard R., and Hon, Giora. 2018. "The Nesting Hypothesis for Planetary Distances and Its Persistence Over the Centuries and Across Cultures," in Manning, Patrick, and Owen, Abigail (eds.), *Knowledge in Translation: Global Patterns of Scientific Exchange, 1000–1800 CE*. Pittsburgh: University of Pittsburgh Press, Ch. 12, pp. 209–226, 343–347.
26. Langer, Ayelet, and Hon, Giora. 2018. "Milton's Thomistic Distinction: On the Usefulness of the Distinction Between Mistake and Error in 'Samson Agonistes'," in Andreas Speer and Maxime Mauriège (eds.), *Irrtum—Error—Erreur*. Berlin and Boston: DeGruyter (*Miscellanea Mediaeval* 40), pp. 745–757.
27. Hon, Giora, and Goldstein, Bernard R. 2021. "Interpretation in Electrodynamics, Atomic Theory, and Quantum Mechanics," in Olival Freire Jr. et al. (eds.), *Oxford Handbook of the History of Interpretation of Quantum Physics*. Oxford: Oxford University Press.

E. ARTICLES in CONFERENCE PROCEEDINGS

Published

1. Hon, Giora. 1988. "Experimental Errors: an Epistemological View." Proceedings of the 13th International Wittgenstein Symposium. Kirchberg/Wechsel, Austria; 14–21 August, pp. 368–376.
2. Hon, Giora. 1996. "Dynamics vs. Structure: Contrasting Features Inherent to Physics." Hoffmann D., Bevilacqua, F. and Stuver, R. H. (eds.), *The Emergence of Modern Physics*. Università degli Studi di Pavia, Pavia, pp. 403–408. Proceedings of a Conference Commemorating a Century of Physics, Berlin, Germany; 22–24 March, 1995.
3. Hon, Giora. 2001–2002. "Proportions and Identity: the Aesthetic Aspects of Symmetry." *Annals for Aesthetic* 41A: 187–197. *Aesthetics on the Threshold of the Third Millennium*, 1st Mediterranean Congress of Aesthetics, Athens, 6–8 November, 2000.
4. Hon, Giora. 2001. "Paving Ways—The Pittsburgh Center for the Philosophy of Science and The Case of Philosophy of Science in Israel." [7300 words] Pittsburgh 40th Anniversary Lecture Series. Posted in the Philosophy of Science Archive Website at:
<http://philsci-archive.pitt.edu/documents/disk0/00/00/05/01/index.html>
5. Hon, Giora. 2003–2004. "Kant and Incongruent Counterparts: Missing the Modern Concept of Symmetry." *Symmetry: Cultures and Sciences* 14–15: 491–495.
6. Hon, Giora, and Galina Granek. 2008. "Generating Experimental Knowledge: the invention and development of the Scanning Tunneling Microscope (STM)." Berlin: Max Planck Institute for the History of Science, Preprint. Proceedings of *Generating Experimental Knowledge*, Wuppertal, Germany, 14–17 June, 2007, Preprint 340.
7. Hon, Giora, and Bernard R. Goldstein. 2008. "Hertz's methodology and its influence on Einstein." Gudrun Wolfschmidt (ed.), *Heinrich Hertz (1857–1894) and the Development of Communication*. Proceedings of the Symposium for History of Science, Hamburg, October 8–12, 2007. Norderstedt: Nuncius Hamburgensis, Beiträge zur Geschichte der Naturwissenschaften, Band 10, pp. 95–105.

F. OTHER SCIENTIFIC PUBLICATIONS

Book-Reviews

1. Achinstein, P. and Hannaway, O. (eds.) 1985. *Observation, Experiment, and Hypothesis in Modern Physical Science*. Cambridge, Mass.: MIT Press. *Philosophy of Science* 55 (1988), 482–486.
2. Mainzer, K. 1988. *Symmetrie der Natur: Ein Handbuch zur Natur- und Wissenschaftsphilosophie*. Berlin: de Gruyter; and Van Fraassen, B. 1989. *Laws and Symmetry*. Oxford: Oxford University Press. *Philosophia* 22 (1993), 445–452.
3. *Charming Connections*. Caglioti, G. 1992. *The Dynamics of Ambiguity*. Berlin: Springer. *Heterogeneous Chemistry Reviews* 2 (1995), 153–156.
4. Britton, J. P. 1992. *Models and Precision: The Quality of Ptolemy's Observations and Parameters*, New York and London: Garland. *Isis* 86 (1995), 469–470.
5. *100 Years of Oddities*. Treiman, S. 1999. *The Odd Quantum*. Princeton: Princeton University Press. *The European Legacy* 7 (2002), 518–519.
6. *The Unquantified Aspect of Probability*. Franklin, J. 2001. *The Science of Conjecture: Evidence and Probability before Pascal*. Baltimore and London: Johns Hopkins University Press. *Centaurus* 44 (2002), 296–297.
7. Wallace, William A. 1996. *The Modeling of Nature: Philosophy of Science and Philosophy of Nature in Synthesis*. Washington D.C.: the Catholic University of America Press. *International Studies in Philosophy* 35 (2004), 656–658.
8. Shea, William R. 2003. *Designing Experiments & Games of Chance: The Unconventional Science of Blaise Pascal*. Sagamore Beach, MA: Science History Publications. *Centaurus* 48 (2006), 334–335.
9. Sánchez-Valencia, Víctor (ed.) 2002. *The General Philosophy of John Stuart Mill*. Dartmouth: Ashgate. *History and Philosophy of the Life Sciences* (book notice section)
10. Bernoulli, Jacob. 2006. *The Art of Conjecturing, together with Letter to a Friend on Sets in Court Tennis*. Translated with an introduction and notes by Edith Dudley Sylla, Baltimore: The Johns Hopkins University Press. *Centaurus* 50 (2008), 335–337.
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