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Education:

2001 - Ph.D. The Cohn Institute for the History and Philosophy of Science and Ideas, Tel-Aviv University.
 1991 - MA *cum laude*, The Cohn Institute for the History and Philosophy of Science and Ideas, Tel-Aviv University.
 1985 – B.A. The Hebrew University in Jerusalem.

Prizes Awards and Scholarships

2009- Rosenblum short term fellow at the Folger Shakespeare Library
 2006-2009 – Honorary Associate, the Unit for History and Philosophy of Science, the University of Sydney, Australia.
 2006- 2009 - A participant in the "Before Copernicus" research project, Max Plank Institute of the History of Science, Berlin.
 2001-2002 – The Edelstein Post-Doctoral Fellowship at the Hebrew University in Jerusalem.
 1997-99 - The "Yad Hanadiv" Fellowship.
 1994-97 - The Nathan Rotenstreich Fellowship for excellent doctoral students.
 1994 - Research fellow at the William Clark Memorial Library, UCLA

Work

2002- Lecturer- Science, Technology and Society Graduate Program, Bar Ilan University.
 2000 – 2004 – Lecturer - Bezalel: Academy of Fine Arts in Jerusalem
 1996 – 2006 – Lecturer - "Alma- Hebrew College" and a member in the Academic Committee of the college.
 1995-2001 – Teaching Assistant - The Cohn Institute for the History and Philosophy of Science and Ideas, Tel Aviv University

Published Papers

1. 2000 - "Kepler's Optics: The Mistaken Identity of a Baroque Spectator," *Zeitsprünge. Forschungen zur Frühen Neuzeit* 4, pp. 50-71.
2. 2001 – "Kepler's Critique of Medieval Perspectivist Tradition," in *Optics and Astronomy* (eds.) G. Simon and S. Debrabat (Turnhout, Belgium), pp. 83-92.
3. 2001 – "Picturing the Book of Nature – Vision, Memory and Mathematical Symbols in Early Modern Alchemical Texts," in *Streams into the Sea: Studies in Jewish Culture and Its Context- Dedicated to Felix Posen* (eds.) R. Livneh-Freudenthal and E. Reiner (Tel Aviv), pp. 297-309.
4. Oct. 2001 – "Optics, Imagination, and the Construction of Scientific Observation in Kepler's New Science," *The Monist* 84, 4:453-486.
5. May 2002 – "A History of Vision? Reflections Following Aby Warburg" *Studio* 133: 44-54 [Hebrew].
6. April 2005 - "Shadows of Instruction: Optics and Classical Authorities in Kepler's *Somnium*." *Journal for the History of Ideas* 66, 2:223-243.
7. November 2005 – Ofer Gal and Raz Chen-Morris, "The Archeology of the Inverse Square Law: (1) Metaphysical Images and Mathematical Practices." *History of Science* xliii: 391-414.
8. January 2006 - " Mirrors, Enigmas and Lenses: Visual Knowledge from the Middle-Ages to the New Science," *Zmanim* 94 [Hebrew].
9. March 2006 – Ofer Gal and Raz Chen-Morris, " The Archeology of the Inverse Square Law: (2) The Use and Nonuse of Mathematics." *History of Science*.
10. 2007 – "Descartes' Melancholic Journey." An introduction to Descartes, René. *Les Passions de l'âme*. Translated into Hebrew by I. Bassok. Scientific editor and introduction: Raz Chen-Morris, Tel Aviv, [Hebrew].
11. 2008 – With Dorit Tanay, "Music, Mathematics and the Rejection of Pansemioticism in the Renaissance." In *Music and Mathematics*. Ed. Philip Vendrix, (Colección Epitome musical). Turnhout, Brepols Publishers.

12. 2008 – "The Invisible Island, or Remembering No-Place." An introduction to Thomas More, *Utopia*. Translated into Hebrew by A. Even-Ezra. Scientific editor and introduction: Raz Chen-Morris. Tel Aviv, Resling [Hebrew].
13. 2009 - "From Emblems to Diagrams: Kepler's New Pictorial Language of Scientific Representation." *Renaissance Quarterly* 62:134-70.
14. 2009- Joint paper with Ofer Gal "Empiricism without the Senses: How the Instrument Replaced the Eye." In *The Body as Object and Instrument of Knowledge: Embodied Empiricism in Early Modern Science*. Edited by Charles Wolfe and Ofer Gal. Dordrecht: Springer Verlag, (in press).
15. 2010 – With Ofer Gal "Baroque Optics and the Disappearance of the Observer: From Kepler's Optics to Descartes Doubt." *Journal for the History of Ideas* (in press).
16. Forthcoming - Joint paper with Ofer Gal, "Nature's Drawing: Problems and Resolutions in the Mathematization of Motion." *Synthese*.

Reviews of Books in periodicals

2000: A review of Eileen Reeves, *Painting the Heavens: Art and Science in the Age of Galileo* (Princeton, N.J., 1997) in *The Sixteenth Century Journal* XXXI, 3: .887-89.

Symposia

1. 2001 - "Performing Sensory Paradoxes: Auditory Emblems, Visual Emblems and the Emergence of the New Science." A paper delivered together with Dr. Dorit Tanay, *Ritual, Liturgy and Magic in Early Modern Music Theatre*, Turku, Finland, 7-9 September.
2. 2002: "Performing Sensory Paradoxes: Auditory Emblems, Visual Emblems and the Emergence of the New Science." A paper delivered together with Dr. Dorit Tanay, *Music, Myth and Magic in the Late Medieval and Early Modern World*, Newberry Library Center for Renaissance Studies and Northwestern University, Chicago, February 21-24.
3. 2003 - "Gaps in Perception: Shadows, Pictures and the Epistemology of Optical Instruments on the Eve of the Scientific Revolution," *Optics, Optical Instruments and Painting: The Hockney-Falco Thesis Revisited*, ESF Exploratory Workshop, Ghent University, November 12 – 15.
4. 2004 - "Looking Beyond the 'Glass Darkly': Opera, Emblems and the Emergence of Scientific Observation." A paper delivered together with Dr. Dorit Tanay, *Picture and Text: Visualization and Knowledge in the Evolution of Culture*, Tel Aviv University and The Van Leer Jerusalem Institute, November 22-25.
5. 2005 – Commentator on Micael Segre's paper, "Galileo and the Medici: Post Renaissance Patronage or Post Modern Historiography." *The Bar-Hillel Colloquium for the History, Philosophy and Sociology of Science*, Jerusalem, March 9.
6. 2006 – "Measuring Shadows: Kepler's Optics of the Invisible", Research Seminar Series, Unit for History and Philosophy of Science, Faculty of Science, University of Sydney, July 31.
7. 2006 – "From Emblems to Diagrams: Kepler's New Pictorial Language of Scientific Representation." *Baroque Science International Workshop*, University of Sydney, September 26.
8. 2007 – "Measuring the Invisible, or the Emergence of Scientific Observation in the 17th Century." *Is all Measurable?! Critical Aspects of Quantification and Grading*, the Ben Gurion University in the Negev, April 18.
9. 2007 – "From Camera Obscura to Prism: Tracing the Motion of Light from Kepler to Newton." *Newton in Pursuit of the Secrets of God and Nature*, Jerusalem, 17-20 June.
10. 2007 – "Nature's Drawing." A paper delivered together with Ofer Gal. *Optics and Epistemology Workshop*, The University of Sydney, 27 July.
11. 2008 – "The Quality of Nothing." *Embodying Shakespeare*, ANZSA 2008, 7-9 February.
12. 2008 - "The Formation of Nothing, or Kepler's Visual Economy of Science." *Baroque Science Conference*, University of Sydney, February 15-17.
13. 2008 - "The Wig and the Instrument: Radical Instrumentalism from Galileo to Hooke." A paper delivered together with Ofer Gal, *Baroque Science Conference*, University of Sydney, February 15-17.
14. 2008 – "The Quality of Nothing, or Kepler's Shakespearean Investigations." *Cohn Institute at 25 -Celebration Colloquium*, Tel Aviv University, May 11-13.
15. 2008 – "Measuring Shadows: Scientific Curiosity, Forbidden Knowledge and the Ends of Renaissance Science." Department of English: Research Seminar, Macquarie University, August 11.
16. 2008 - "The Curious Eye and the Melancholic Eye in Early Modern Europe." In History Department Research Seminar, Ben Gurion University, December 8.

17. 2009 - "The Curious Eye, The Melancholic Eye and the Anxieties of the New Science."
Scholion - Interdisciplinary Research Center in Jewish Studies, Hebrew University of
Jerusalem. February, 1st.
18. 2009 - "Eloquence, Geometry and Vision in Alberti's Humanistic Reading of Optics."
Art and Humanism in Early Modern Italy and beyond, Ben Gurion University, May 5th