



Readings

HISTORICAL PHILOSOPHY OF SCIENCE

Summer School
University of Pécs, Hungary 2012

VENUE

Council Room of Humanities

BUILDING A

Ifjúság útja 6

EMAIL

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25th June - Monday - Kepler and the Renaissance

Barker, P. and Goldstein, B.R., "Theological Foundations of Kepler's Astronomy", in: *Osiris* 2nd series 16 (2001) 88-113.

Goldstein, B.R. and Hon, Giora, "Kepler's Move from *orbs* to *Orbits*: Documenting a Revolutionary Scientific Concept", in: *Perspectives on Science* 13 (2005) 1 74-111.

Hon, Giora, "On Kepler's Awareness of the Problem of Experimental Error", in: *Annals of Science* 44 (1987) 6 545-591

26th June - Tuesday - Descartes and Newton

McGuire, J.E., "A Dialogue with Descartes: Newton's Ontology of True and Immutable Natures", in: *Journal of the History of Philosophy* 45 (2007) 103-125

Slowik, Ed, "Descartes' Physics", in: *Stanford Encyclopedia of Philosophy* 2009

Ducheyne, S., "Chapter 2: Uncovering the Methodology of the *Principia* (I) :The Phase Model of Construction", in: S. Ducheyne, *The Main Business of Natural Philosophy: Isaac Newton's Natural-Philosophical Methodology*. Springer 2011. 55-106.

Ducheyne, S., "Chapter 3: Uncovering the Methodology of the *Principia* (II):The Phase of Model Application, Theory Formation and Theory Application", in: *op. cit.* 107-177.

Ducheyne, S., "Chapter 6: "To Treat of God from Phenomena"", in: *op. cit.* 235-297.

27th June - Wednesday - Hobbes, Locke, Hume

Coleman, D., "Baconian Probability and Hume's Theory of Testimony", in: *Hume Studies* XXVII (2001) 2 195-226.

Sorrell, Tom, "2 Hobbes's Scheme of Sciences", in: ed. Sorrell, T., *Cambridge Companion to Hobbes*. Cambridge University Press 1996. 45-61.

Woolhouse, R. "Locke's Theory of Knowledge", in: Chapell, V., *Cambridge Companion to Locke*. Cambridge University Press 2006. 146-171.

28th June - Thursday - Kant

Watkins, E., "Kant's Philosophy of Science", in: *Stanford Encyclopedia of Philosophy* 2007.

Friedman, M., "Kant on Science and Experience", in: eds. Mercer, Ch. and O'Neill, E., *Early Modern Philosophy*. Oxford University Press 2005. 262-286.

Carrier, M., "Kant's Theory of Matter and His Views on Chemistry", in: ed. Watkins, E., *Kant and the Sciences* Oxford University Press 2001. 205-230.

Kant, I., "Preface to *Metaphysical foundations of natural science*", in: eds. Allison, H. and Heath, P., *Immanuel Kant: Theoretical Philosophy after 1781*. Cambridge University Press 183-193.

Kant, I., "Second Chapter: *Metphysical foundations of dynamics*", in: *op. cit.* 209-244.

Sturm, Th., "Why did Kant reject physiological explanations in his anthropology?", in: *Stud. Hist. Phil. Sci.* 39 (2008) 495-505.

29th June - Bolyai's Mathematics

Matheson, Carl, "Historicist Theories of Rationality", in: *Stanford Encyclopedia of Philosophy* 2008

Renn, J. "History of Science as Historical Epistemology", Preprint. 1996.

Tanács, J. "Grasping the Conceptual Difference Between János Bolyai and Lobachevskii's Notion of Non-Euclidean Paralellism", in: *Arch. Hist. Exact Sci.* (2009) 63: 537-552.

Gray, J., *Plato's Ghost. The Modernist Transformation of Mathematics*. Princeton University Press 2008. 44-58.

Gray, J. *Worlds Out of Nothing. A Course in the History of Geometry in the 19th Century*. Springer 2000. 79-98.