

EXPERIENCE AND REASONING IN SCIENTIFIC METHODOLOGY BETWEEN ANTIQUITY AND THE EARLY MODERN PERIOD

VILLA LANNA, PRAGUE / 9–11 MAY 2019

THURSDAY 9

9:15-12:30 chair Matyáš Havrda

PAVEL GREGORIĆ / Zagreb
Aristotle's perceptual optimism

GWELTAZ GUYOMARC'H / Lyon
Inductive reasoning in Alexander of Aphrodisias

15:00-18:15 chair Robert Roreitner

JIM HANKINSON / Austin, TX
Galileo and the concept of demonstration

LUCAS ANGIIONI / Campinas
Experience and explanatory reasoning in Aristotle's Prior Analytics I 30

FRIDAY 10

9:15-12:30 chair Karel Thein

FRANÇOIS NOLLE / Geneva
The role of analogy in Aristotle's scientific methodology

ISTVÁN BODNÁR / Budapest
Justifications in Aristotle's celestial theory: Perception, argument, and proof

15:00-18:15 chair Vojtěch Hladký

ALEXANDER JONES / New York
Unobservable phenomena and unobserved observations in Ptolemy's Almagest

MATJAŽ VESEL / Ljubljana
Copernicus: Experience and reasoning in the argumentation
in favour of the Earth's rest and in favour of its motion

SATURDAY 11

9:15-12:30 chair Jan Palkoska

JOHN A. SCHUSTER / Sydney
Descartes' optical work: The discovery of the law of refraction;
its attempted explanations 1628-37; and the illusory use of method

DANIEL ŠPELDA / Brno
Hypotheses fingimus: Cartesian natural philosophy between rationalism and empiricism

15:00-18:15 chair Ladislav Kvasz

SOPHIE ROUX / Paris
Mariotte's radical experimentalism

STEFFEN DUCHEYNE / Brussels
Deducing causes from effects: Newton's natural-philosophical methodology