



# Scientific Understanding

Conference of the  
Académie Internationale  
de Philosophie des Sciences  
(Bruxelles)

Rome, August 1-4, 2024.  
XXV World Congress of Philosophy

**Thursday, August 1<sup>st</sup>:** Arrival of participants

**Friday, August 2<sup>nd</sup>**

Venue: La Sapienza University, Piazzale Aldo Moro, 5, 00185 Roma RM, Italia

9: 00 Welcome of the participants

9:15 **Alberto Cordero:** Scientific Understanding and Truth

9:45 **Gregor Schiemann:** Understanding in the Natural Sciences and the Humanities

10:15 **Atocha Aliseda:** From explanation to understanding

10:45-11:00 Coffee break

11:00 **Chen Bo:** Philosophy: Knowledge or wisdom?

11:30 **Gerhard Heinzmann:** On the Demarcation between science and pseudo-science

12:00 **Demetris Portides:** The function of Abstraction and Idealizations in Scientific Understanding

12.30 **Marta Bertolasso:** Explaining Carcinogenesis: How Scientific Practices Converge Toward a New Conceptual Framework

13:00-14:30 Lunch break

14:30 **Fabio Minazzi:** Scientific Understanding between empiricism and transcendentalism

15:00 **Chrysostomos Mantzavinos:** The Constitution of Science

15:30 **Pablo Lorenzano:** Scientific Understanding and the Model-theoretic Account of Scientific Explanation

16:00-16:15 Coffee break

16:15 **Jure Zovko:** Understanding as a Component of Scientific Explanation

16:45 **Peter Vickers:** When does one know that one (factively) understands?

17:15 **Alexandre Guay:** Understanding possibilities in the Lagrangian formalism

17:45-18:00 Coffee break

18:00 **Itala M. Loffredo D'Ottaviano:** Basic concepts of the general theory of systems

18:30 **Lorenzo Magnani:** The Use of Mathematics as Scientific Understanding

19.00 **Liu Fenrong:** Integrating Social Dynamics in Epistemic Logic: A New Framework for Understanding Belief Formation and Revision

**Saturday, August 3<sup>rd</sup>**

14:00 **Benedikt Loewe:** Changing Scopes and Boundaries of Academic Disciplines

14.30-14.45 Coffee break

14.45 **Bas van Fraassen, Otavio Bueno, Anjan Chakravartty & Michel Ghins:** What is Scientific Understanding?- Panel discussion moderated by **Jure Zovko**

**17:00 General Assembly**

**20:00 Gala dinner**

**Sunday, August 4<sup>th</sup>**

**Departure**