

## Causality and Modelling in the Sciences

Venue: Sala Sáez Torrecilla (Room)

Planta baja Edificio de CC. Económicas y Empresariales (Building).

UNED

Paseo Senda del Rey, 11. 28040 Madrid

<b>June 29th</b>	<b>June 30th</b>	<b>July 1st</b>
9.45h Opening remarks 10.00h. Caterina Marchionni <b>Economic models, robust results and causal explanation</b>	9.30h Charlotte Werndl <b>Determinism, Indeterminism, Observational Equivalence and Causality</b>	9.30h. Michael Weisberg <b>Causes in Models and their Targets</b>
11.00 h. Ross, Lauren. Explaining in Contexts of Causal Heterogeneity: the Final Common Path-way model	10.30h Benzi, Marguerita What is metabolic syndrome? Causal and non-causal models 11.00h Williamson, Jon Models in Systems Medicine	10.30h. Reiss, Julian and Pierre-Olivier Bédard Statistical Models, Shoe Leather, and Causal Inference: Revisiting Freedman 11.00 Harinen, Totte The Metaphysics of Constitutive Explanation in the Social Sciences
11.30h Break	11.30h Break	11.30h Break
12.00h Casini, Lorenzo and Gianluca Manzo Agent-based Models and Causality: A Methodological Appraisal 12.30h. Gervais, Raoul Idealization and causal relations in mechanistic models. 13.00h. Dieckhoff, Christian How causal effects are tried to be isolated with energy models and scenarios	12.00h Mathiessen, Dana Causality and Underdetermination in Models of Biological Networks 12.30h Paslaru, Viorel Causality, Modeling, and Explanation. A View From Ecology 13.00h Illari, Phyllis. Causal pluralism and modelling supernovae	12.00h Weber, Erik and Inge de Bal Should Physicists Treat Causation As Contrastive? 12.30h Boyd, Nora Are Astrophysical Models Permanently Underdetermined?
13.30h. Lunch	13.30h. Lunch	END OF CONFERENCE
14.45h Knuutila, Tarja Fictional Modeling and Counterfactual Reasoning: Milton Friedman vs. James Tobin on the Causation of Inflation 15.15h Huber, Tobias Modeling Financial Markets: Universality, Criticality, and Causality	14.45h. Stegmann, Ulrich Model organisms and explanation  15.15h Parkkinen, Veli-Pekka 'Are model organisms theoretical models?'	
15.45 Break	15.45h Break	
16.00h Naeger, Paul Causal models in the quantum realm	16.00h Serban, Maria Simple mathematical models and complex causal processes: The case of the reaction-diffusion model	
	20.30h Conference Dinner	