Inter-University Centre Dubrovnik

45th Annual Philosophy of Science Conference

16 to 20 April 2018

Philosophy of Physics • Measurement • Philosophy of Science in the Analytic and Continental Traditions

Programme

Version 4

	Monday 16 April		
	Room 1	Room 2	Room 3
9.30–10.45 am	—	Opening and Introduction	—
11.15 am–12.30 pm	—	MARTIN CARRIER Climate Models: How to Assess Their Reliability	—
3.30–4.45 pm	JEREMY BUTTERFIELD On Dualities and Equivalences between Physical Theories	TERU MIYAKE Theory-mediated Measurement: A Taxonomy	BRIAN MCLOONE A Fictionalist Perspective on Some Unimaginable Model Systems in Evolutionary Biology
5.15–6.30 pm	SEBASTIAN DE HARO Formulating Emergence in the Physical Sciences	FRANCESCA BIAGIOLI & FLAVIA PADOVANI From Mathematical to Physical Coordination and Back	BRYAN ROBERTS What Is an "Observable" in Quantum Mechanics?

	Tuesday 17 April		
	Room 1	Room 2	Room 3
9.30–10.45 am	ROBERT BATTERMAN Multi-scale Modelling of Inactive and Active Materials	LUCA MARI & ALESSANDRO GIORDANI Truth in Measurement	JAMES MCALLISTER Empirical Support for Humean Causality
11.15 am–12.30 pm	HENRIK ZINKERNAGEL Limits and Aesthetics of Quantum Physics	NADINE DE COURTENAY What Do We Measure when We Measure "Quantities"?	MIKE STUART "Value-free" Science Exists in Imagination Only, and That's Okay
12.30 pm onwards	IUC Reception Courtyard		
3.30–4.45 pm	NICK HUGGETT What Can We Learn from Stringy Black Holes?	ZVONIMIR ŠIKIĆ What Are Magnitudes and How to Calculate with Them?	LAURA FELLINE Mechanistic Explanation in Physics
5.15–6.30 pm	CHRISTIAN WÜTHRICH What We Cannot Learn from Analogue Experiments	FABIEN GRÉGIS Standards, Units, and Convention: The Case of Quantum Electrical Metrology	RICHARD DAWID Fine-tuning and Fundamental Theory

All rooms are on the 1st floor

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	Wednesday 18 April		
	Room 1	Room 2	Room 3
9.30–10.45 am	GIJS LEEGWATER & F. A. MULLER Ranting and Raving about Locality in Quantum Mechanics	AVE METS The Periodic System of Chemical Elements as an Instance of Measurement Theory	FIDAA CHEHAYEB The Explicit/Implicit Duality in Attitudes: A Spurious Divide
11.15 am–12.30 pm	SARAH GALLAGHER Black Hole Feedback—What Is It Good for?	ERAN TAL The Myth of Additivity in Physics and Psychometrics	PHILIPP BERGHOFER Defending the Field Interpretation of Quantum Field Theory
3.30–4.45 pm	JOSEPH BERKOVITZ On a New Challenge for Reichenbach's Principle of the Common Cause	LEAH MCCLIMANS Ethical and Epistemic Entanglements in Epidemiological Measurement	CHRIS SMEENK Eliminative Reasoning
5.15–6.30 pm	MELISSA JACQUART Observing Dark Matter with Computer Simulations	JACOB STEGENGA Bayesian Mechanista	ZVONIMIR ANIĆ Causation in Biological Mechanisms: A Case of Genetic Switch in Phage Lambda

	Thursday 19 April		
	Room 1	Room 2	Room 3
9.30–10.45 am	MICHEL GHINS Defending Scientific Realism without Relying on Inference to the Best Explanation	PAUL TELLER Measurement Accuracy Realism	KARIM THÉBAULT Leibniz and the Problem of Time
11.15 am–12.30 pm	KEVIN COFFEY Can the Quantum Realist Be Agnostic?	ELINA VESSONEN From Indices to Mappings: Improving Psychometric Measures	SEAN GRYB Epistemically Humble Cosmology
3.30–4.45 pm	DOREEN FRASER Renormalisation and Scale Transformations in Quantum Field Theory	GIL HERSCH No Theory-free Lunches in Well-being Measurement	DUSTIN STOKES Theory-ladenness, Perceptual Expertise, and Epistemic Virtue
5.15–6.30 pm	JULIUSZ DOBOSZEWSKI Interpreting Cosmic No-hair Theorems	ALISTAIR ISAAC Geometrical Posits in Psychophysical Measurement	TONĆI KOKIĆ Reconsidering Design in Science
8.00 pm onwards	Conference Dinner Restaurant Orhan, Od Tabakarije 1, Dubrovnik; www.restaurant-orhan.com		

	Friday 20 April		
	Room 1	Room 2	Room 3
9.30–10.45 am	MARTIN KING Discovery and Confirmation of the Higgs Boson	GREG LUSK Remote Sensing and the Data/ Phenomena Distinction	GÁBOR HOFER-SZABÓ Commutativity, Commensurability, and Contextuality
11.15 am–12.30 pm	CASEY MCCOY Modelling at the Border of Experimental and Theoretical Practice in Physics	PHIL MAGUIRE What Is Measurement for?	MICHAEL MILLER Not All Failures of Empirical Adequacy Are Created Equal
3.30–4.45 pm	RADIN DARDASHTI What Can We Learn from No-go Theorems?	RICHARD ARTHUR Time Flow and Relativity	MATTI SINTONEN What Makes Scientists Tick

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