GWP.2022: The Fourth International Conference of the German Society for Philosophy of Science Technische Universität Berlin, Straße des 17. Juni 135 (Main building), Berlin-Charlottenburg

Monday, 15th August 2022

09:00-09:15	H0105 (Audimax)									
		Opening Remarks:								
	Gerhard Schurz, GWP President									
	Axel Gelfert, Chair, Local Organizing Committee									
		Welcome Adress:								
		Stephan Völker, Erster V	/izepräsident, TU Berlin							
09:15-10:45		,								
Plenary		H0105 (Audimax)							
	Hans R	Rott: "Relevance and Cond	ditionals" – Chair: Gerhard Schu	ırz						
10:45-11:00		Coffee	e break							
	H0104	H1058	H3005	H3006	H3010					
11:00-13:00	Observation and	SYMPOSIUM	Philosophy of Economics,	Models and	SYMPOSIUM					
Parallel sessions:	Measurement	Mechanisms in the	Game Theory, and the	Representations	The Replication Crisis					
Contributed papers &		Cognitive and Social	Business of Science		and Philosophy of					
symposia		Sciences			Science					
	Matthew Lund. Bessel and		Jules Salomone-Sehr and	David Hommen. Poetry						
	the Epistemology of	Yafeng Shan, Jon	Sacha Bourgeois-Gironde.	and Truth – Scientific	Sophia Crüwell, Adrian					
	Observational Relativity	Williamson, Beate	What Might We Learn	Models as Perspicuous	Erasmus, Johanna					
		Krickel	About Shared Agency	Representations	Sarisoy					
	Siska De Baerdemaeker.		Thanks to Game Theory?							
	Exploratory observations			Julia Sanchez-Dorado.						
	with stellar streams		Edoardo Peruzzi and	Judgments of similarity						
			Gustavo Cevolani.	and a pragmatic account						
			Defending (de-)	of representation						
			idealization in economic							
			modelling: a case study	William D'Alessandro.						
			,	Unrealistic Models in						
				Mathematics						

13:00-14:30		Lunch break									
	H0104	H1058	H2013	H3005	H3006	H3010					
14:30-17:10	Philosophy of Physics (1)	Laws of Nature	Epistemology of Science	Historical Perspectives	Scientific Realism and	Science in its Social					
Parallel sessions:					the Practices of Science	Context					
Contributed papers	Niels Martens. Comparing	Christian Loew, Siegfried	Lara Huber. <i>Epistemic</i>	Stephan Fischer. Zur							
	the explanatory power of	Jaag and Michael Hicks.	Significance: Broadening	Konzeption der	Raimund Pils. Scientific	Anna Leuschner and					
	ΛCDM & modified gravity	The normative relevance	the Perspective	Globalgeschichte	Realism and Epistemic	Manuela Fernández					
		of laws of nature			Risk	Pinto. Research on					
	Frida Trotter. Breaking		Daniel Minkin.	Filip Buyse. <i>The</i>		Shooting Bias: Social					
	underdetermination with	Mousa Mohammadian. An	Conspiracy Theories:	Physiologist Johannes	Matthias Egg. Quantum	and Epistemic					
	norms	Armstrongian Defense of	Some Teachings from	Peter Müller and the	Fundamentalism vs.	Problems					
		Dispositional Monist	Philosophy of Science	Philosopher Spinoza: An	Scientific Realism						
	Iulian Toader. Einstein	Accounts of Laws		Underestimated Relation		Olivier Ouzilou. Social					
	Completeness as		Lorenzo Spagnesi.		Sébastien Rivat. How	sciences and					
	Categoricity	Markus Schrenk. Which	Idealization and	Yuval Eytan. Hobbes on	Theoretical Terms	conspiracy theorizing:					
		Predicates, which	Knowledge of Nature: A	Scientific Happiness	Effectively Refer	the problem of					
	Tina Wachter. Does	Properties for Better Best	Kantian Approach			collective entities					
	Referencing in QM	Systems?	N. 1: 1 B:1	Idit Chikurel. Maimon as a	Enno Fischer.	C. D. III					
	Require Free Logic?	Vassilis Livanios. <i>Thin</i>	Noelia Iranzo Ribera.	Baconian: Induction,	Naturalness: a	Simon Blessenohl and					
			Counternomic Reasoning	Empirical Objects and	Constitutive Principle	Deniz Sarikaya. A					
		Powers and the Governing Problem	as Make-Believe	Natural Histories		Norm for Science Advice: Making Beliefs					
		Problem				Advice: Making Bellejs Accurate					
						Accurate					
						Luca Malatesti, Marko					
						Jurjako and Inti Brazil.					
						Integrating legal					
						categories with					
						biocognitive data: the					
						case of the insanity					
						defence					
17:10-17:30			Brea	ak							
17:30-19:00											
Plenary			H01								
		Mazviita Ch	irimuuta: "Formal Idealism	/Haptic Realism" – Chair: Hol	ger Lyre						

19:00-19:15	Break
19:15-22:00	
	Conference dinner
	Café Hardenberg

Tuesday, 16th August 2022

09:00-10:30 Plenary	Jutta Schick	core: "Causation, Observation	on, and Experiment: Refle	H0105 (Audimax) ections on Practical Inquiry i	n the German Lands Arou	ı nd 1800" – Chair: Alexa	nder Gebharter
10:30-11:00				Coffee break			
	H0104	H0105	H1058	H2013	H3005	H3006	H3010
11:00-13:00	28 – SYMPOSIUM	Science and Values (1)	Psychology and	Mind, Method,	Organisms and	123 – SYMPOSIUM	Method Transfer
Parallel sessions:	The Cybernetic		Psychiatry	Mechanism	Superorganisms	The Legitimacy of	Across Disciplines
Contributed	Renaissance					Generalizing	and Scales
papers &		Jacob Stegenga and	Lena Kästner.	Daniel Kostic and Willem	Spyridon Koutroufinis.	Darwinism	
symposia	Hajo Greif, Wiktor	Tarun Menon. A New	Multiplexes: New	Halffman. Explanatory	The Phenomenon of		Christian J.
	Rorot, Krzysztof	Defence of the Value-	Directions for	imperialism: empirical	Organism – Three	Hugh Desmond,	Feldbacher-Escamilla
	Dolega	Free Ideal	Computational	evidence for the claims	Different Levels of	Agathe du Crest,	and Philipp Haueis.
			Psychiatry?	about pervasiveness of	Analysis	Philippe Huneman,	Patchwork
		Jitka Paitlova. <i>The</i>		"mechanisms" in life		Martina Valkovic,	Approaches to
		value of value	Mario Santos-Sousa.	sciences	Antonio Danese.	Thomas Reyond,	Concepts and
		neutrality	Progress in Psychiatry		Flowers and Teleology	André Ariew	Different Scales
				Barnaby Crook. <i>The</i>			
		Torsten Wilholt.	Antonella Tramacere.	Compact Core -	Ana Katic. <i>The</i>		Catherine Herfeld and
		Symmetries and	Has the evolutionary	Emergent Structure	Dynamical Biological		Dunja Seselja.
		Asymmetries in	study of the mind	Distinction in Artificial	Explanation: A New		Challenges to
		Epistemic Risk	reached an impasse?	and Biological Neural	Perspective for the		Methodology Transfer
		Management		Networks	Concept of		in Science
					Superorganism		
							Aznavur
							Dustmamatov.

		1		Lukas J. Meier. Thought Experimentation as a			Geography as Science: The Limits of the Geo-
	!			Scientific Method			Ontological Approach
13:00-14:30				Lunch break			
	H0104	H0105	H1058	H2013		H3006	H3010
14:30-17:10	Engineering,	Causal Methods	The Social	Philosophy of Physics (2)	1	Philosophy of	General Philosophy
Parallel sessions:	Technology,		Organization of	'		Biology	of Science (1)
Contributed	Simulation		Science	'			
papers	'					Rose Trappes. The	Ludwig Fahrbach. <i>The</i>
	Christopher Pincock	Samuel Fletcher.	Vlasta Sikimić. Efficient	Ryan Miller.		Pervasiveness of Sex	abundance of
	and Michael Poznic.	Causal Modeling as	Team Structures in	Mereological Atomism's		in Behavioural	scientific evidence for
	What do engineers	Counterfactual	Biology	Quantum Problems		Ecology	our best theories: Too
	understand? The case	Semantics					much of a good thing?
	of biological		K. Brad Wray. The	David Schroeren. State-		Franziska Reinhard.	
	methanation	Paul M. Näger.	Epistemic Significance	Space-First Ontology: An		Re-Construction or	Jens Harbecke.
	'	Evidence for interactive	of the Size of Research	Escape from the		Re-Invention?	Mechanistic
	Céline Gressel. The	common causes.	Teams	Pessimistic Meta-		Experimental	Constitution as a
	Usage of Extended	Resuming the		Induction?		Research into the	Natural Law
	Reality Technologies	Cartwright-Hausman-	Li-An Yu. <i>Epistemic</i>	'		Origins of Life	
	in the Contexts of a	Woodward debate	injustice of climate	Marco Forgione.			Anne Sophie Meincke
	healthy Life and their		change: the coherence	Feynman: Visualization		Vito Balorda and	Free Will and the
	Impact on Well-being	Donal Khosrowi.	problem of specific and	and Understanding of		Predrag Šustar.	Metaphysics of
	'	Extrapolating Causal	general information	Quantum Phenomena		Natural Selection:	Agency
	Dawid Kasprowicz,	Effects - Where Is Our		'		Pathway or	
	Daniel Wenz and	Theory of Confidence?	Sacha Ferrari. Uberized	'		Mechanism? Insights	Qiu Lin. Du Châtelet
	Gabriele		science is the new	'		from Cancer	on Mechanical
	Gramelsberger. How	Jan Borner. <i>Causal</i>	black	'		Research	Explanation vs.
	to Explore Scientific	Power Quantified - A		'			Physical Explanation
	Code? (in Philosophy	Generalisation and				Aleksandar V. Božić.	
	of Science)	Defense of Cheng's		'		Explaining the	
	'	Causal Power Measure				vagueness of life:	
	Marianne van					"individuals thinking"	
	Panhuys and Rafaela					vs. natural kinds	
	Hillerbrand.	!		'		approach	
	Epistemic risks and	'		'			

	computer simulation: a case study from particle physics								
17:10-17:30				l Break					
17:30-19:00 Plenary		H0105 (Audimax) Anjan Chakravartty: "The Role of Epistemic Stances in Interpreting Science: Naturalistic Challenges" – Chair: Axel Gelfert							
19:00-19:15		Break							
19:15				H0104 General Assembly					

Wednesday, 17th August 2022

09:00-10:30	H0105 (Audimax)								
Plenary		Branden Fitelson: "Bayesianism & Explanationism" – Chair: Christian Feldbacher-Escamilla							
10:30-11:00		Coffee break							
	H0104	H0105	H1058	H2013	H3005	H3006	H3010		
11:00-13:00	Explanation (1)	Evolution	147 – SYMPOSIUM	Mathematics	Logic and Language	108 – SYMPOSIUM	Bayesian		
Parallel sessions:			Learning from Data:			Are all Law of	Approaches		
Contributed	Stefan Roski. <i>In</i>	Marcel Weber.	The Secret to Success	Daniel Koenig. The	Ivan Nenchev and	Physics Created			
papers &	Defence of	Modeling Modality:		Objectivity of	Benjamin Wilck.	Equal?	Thomas Blanchard		
symposia	Explanatory Realism	The Case of Evolvability	Tom Sterkenburg,	Mathematics. On the	Linguistic versus		and Andreas		
		in Evo-Devo	Konstantin Genin,	Reception of 19th-	Metalinguistic Testing in	Salim Hirèche, Niels	Hüttemann. Causal		
	Alexander Gebharter		Francesca Zaffora	Century Mathematics	Schizophrenia Research	Linnemann, Robert	Bayes Nets, Causal		
	and Christian J.	Leon de Bruin and	Blando	in Ernst Cassirer's		Michels, Lisa Vogt,	Exclusion, and		
	Feldbacher-Escamilla.	Daniel Kostic. How		Philosophy of Culture.	Sebastian Sunday Grève.	Andreas Bartels	Symmetric		
	Unification and	evolutionary and			Turing's Philosophy of		Dependence		
	Explanation: A causal	environmental factors			Intelligence				
	perspective	shape the relationship							

	Martina Blečić and Predrag Šustar. Biological Metaphors as Vehicles for Explanation?	between structural functional connectivity Inigo Ongay de Felipe. What is the role of Philosophy of Biology with regard to the Extended Evolutionary Synthesis and why should it matter		Deborah Kant. Deep peer disagreement in set theory Michael Friedman. On Grothendieck's philosophy of mathematics and nautical metaphors	Benjamin Wilck. Logic and Language in Euclid's "Elements"		Christoph Merdes. Learning Source Reliability on Multiple Propositions Jonas Raab. Too Many Dutch Book Arguments?
13:00-14:30				Lunch break			1
	H0104	H0105	H1058	H2013	H3005	H3006	H3010
14:30-16:30	Explanation (2)	Biomedical Science	Machine Learning	General Philosophy of	Mind and Cognition	Philosophy of	Science and Values
Parallel sessions:	Laudan Anda	Marines Marions A	Karan Karana Maluna	Science (2)	V-vive Deve shith and	Physics (3)	(2)
Contributed	Javier Anta.	Mariusz Maziarz. A	Koray Karaca. Values	De die Dandachti On	Karim Baraghith and	A direct Oldofrodi	D Harmingon
papers	Instrumental and	Perspectival View on	and Inductive Risk in	Radin Dardashti. On	Christian Johann	Andrea Oldofredi.	Paul Hoyningen-
	Explanatory	Inconsistent Results of	Machine Learning	the theory-ladenness	Feldbacher-Escamilla.	Relational Quantum	Huene. Objectivity,
	Justifications of	Clinical Trials	Adaphine	of theorizing	From Reduction to	Mechanics and the	the Ideal of Value-
	Coarse-Graining	tulis Adiabin Tayot in	Luis Lopez. Machine	A Eliaakath Hähl	Unification: The Case of	PBR Theorem: A	Free Science, and
1	Disting Housis	Julia Mirkin. Trust in	Learning Models and	Anna Elisabeth Höhl.	Cultural Evolutionary	Peaceful Coexistence	Rudner's Objection
	Philipp Haueis.	Research on Human	Understanding of	Grasping and	Psychology	Marilina Framba and	Mi-I-ala Luchatti and
	Patchwork concepts	Germline Genome	Phenomena	Explaining – The GE-	A 4 Columbation in	Markus Frembs and	Michele Luchetti and
	and the norms of	Editing	Oliver Burchhale Tha	Account of Scientific	Maria Sekatskaya.	Frida Trotter.	Matteo De
	explanation	Company Indian Prodice of	Oliver Buchholz. The	Understanding	Reductionism in the	Categorically	Benedetto. A
	Contraction	Saana Jukola. <i>Bodies of</i>	Curve-Fitting Problem	Aith: Dfaifar Tho	Philosophy of Science	classical: Lessons	dynamic model of
	Gregor Hörzer.	Evidence –	Revisited	Niki Pfeifer. The	and the Problem of	from no-go theorems	theory choice:
	Constitutive	Determining the Cause		probabilistic turn in the	Mental Properties	in quantum	epistemic values as
	Relevance First:	of Death and the		psychology of	24 1 14 1 The	Foundations	environmental niches
	Mechanistic	Problem of		reasoning: a necessary	Matej Kohar. The	* ** 1	
	Explanations without	Underdetermination		paradigm shift?	Scaling-up Problem from	Michael te Vrugt,	Eoin Perry. Does
	Mechanisms?	1		'	a Mechanistic Point of	Gyula I Tóth and	Science Need (Pre-
	'	1		'	View	Raphael Wittkowski.	Registered) Moral
	'	1		'		Irreversibility in	Imagination?
	'	1		'		statistical mechanics:	
		<u>'</u>				from quantum	

	mechanics to soft matter theory
16:30-17:00	Break
17:00-18:30 Plenary	H0104 Brigitte Falkenburg: "Data, Theories and Probability in Physics" – Chair: Vera Hoffmann-Kolss
18:30-18:45	Closing remarks