

COMPUTING, PHILOSOPHY, AND COGNITIVE SCIENCE

INTRODUCTION

Gordana Dodig Crnkovic and Susan Stuart, Editors

COMPUTING, INFORMATION AND PHILOSOPHY

Chaitin, *Alan Turing Lecture on Computing and Philosophy*: Epistemology as Information Theory: From Leibniz to Ω

Floridi, INVITED: Information Logic

Allo: Formalising Semantic Information. Lessons from Logical Pluralism

Pietarinen: Getting Closer to Iconic Logic

Johansson LG, INVITED: Causation- a synthesis of three approaches

Bynum, *Georg Henrik von Wright Lecture on Ethics*: A Copernican Revolution in Ethics?

Brey, INVITED: Computer Ethics in (Higher) Education

Liu Gang, INVITED: An Oriental Approach to the Philosophy of Information

Trojer, INVITED: Building Epistemological Infrastructures - interventions at a technical university

BIOINFORMATION AND BIOSEMIOTICS

Marijuan-Moral, INVITED: The Informational Architectures of Biological Complexity

Århem, INVITED: A Neurophysiological Approach to Consciousness: Integrating Molecular, Cellular and System Level Information

Brattico: Complexity, cognition, and logical depth

Munn: Functions and Prototypes

Brier: The Cybersemiotic framework as a means to conceptualize the difference between computing and semiosis

COGNITIVE SCIENCE AND PHILOSOPHY

Magnani, INVITED: Building Mimetic Minds. From the Prehistoric Brains to the Universal Machines

Carsetti: Meaning and self-organisation in cognitive science

Lappi: On Facing Up To The Semantic Challenge

Milkowski: Is computationalism trivial?

Pylkkanen: Does dynamical modeling explain time consciousness?

Riegler: The paradox of autonomy: The interaction between humans and autonomous cognitive artifacts

ONTOLOGY

Smith-Ceusters, *Carl Linnaeus Lecture on Ontology*: Ontology as the Core Discipline of Biomedical Informatics. Legacies of the Past and Recommendations for the Future Direction of Research

Hagengruber-Riss: Knowledge in Action

Turner-Eden: Towards A Programming Language Ontology

COMPUTATIONAL LINGUISTICS

Knuttila, INVITED: Language Technological Models as Epistemic Artefacts: The Case of Constraint Grammar Parser

Hacken: Computational Linguistics as an Applied Science

Hirst: Views of Text-Meaning in Computational Linguistics: Past, present, and future