triple **C** cognition
communication
co-operation

Editorial

Welcome to the first issue of volume 2 of tripleC (Cognition – Communication – Co-operation).

José Alberto da Costa Machado, Norbert Fenzl, and Armin Mathis *("The Sustainability of Complex Economic Systems. An Application of National Material Flow Analysis (MFA) to the Brazilian Economy")* consider the society-environment relationship in terms of open, complex systems and show how Material Flow Analysis (MFA) as a systemic method can be applied to the Brazilian economy.

Pedro C. Marijuán *("Information and Life: Towards a Biological Understanding of Informational Phenomena")* deals with the concept of biological information and takes a systemic approach that is evolutionary and goes beyond reductionism and mechanistic thinking.

Karl Javorszky *("A Rational Model In Theoretical Genetics")* connects information processing in biological organisms with methods and concepts used in classical, technical information processing and introduces the concepts of structured sets and multidimensional partitions in order to find one possible explanation for genetic information.

Luigi Lancieri *("Reusing Implicit Cooperation. A Novel Approach to Knowledge Management")* argues that software methods that allow information reuse with the help of a proxy cache can strengthen human co-operation and collective intelligence.

Klaus Kornwachs *("System Ontology and Descriptionism – Bertalanffy's View and New Developments")* discusses ontological aspects of systems thinking and relates these questions to the thinking of Ludwig von Bertalanffy. He introduces system descriptionism as an alternative to positivistic, constructivistic, and naturalistic system ontologies.

Christian Fuchs
(Managing Editor tripleC)