

To fully develop the transdisciplinary ambition in much information science and philosophy leading to cognitive science a phenomenological and hermeneutical ground is needed in order to encompass a theory of interpretative meaning and signification which cannot be avoided if we want to achieve a transdisciplinary theory of knowing and communication. This is also true if we start in cybernetics and system theory that also have transdisciplinary aspirations for instance in Batesons ecological concept of information as a difference that makes a difference and in Luhmann's triple autopoietic communication based system theory and even more if we want to have computation as our transdisciplinary reduction ground. Charles Sanders Peirce's pragmaticist semiotics is the only framework that integrates logic and information in an interpretative semiotics. But although Peirce's information theory is built on meaningful signs and he connects information to the growth of symbols, his information theory is empirically based in a realistic worldview, based on fallibilist empiricism, which in the development to modern biosemiotics include all living systems. Combining Luhmann's system science and Peirce's semiotics will lead us a step closer to our goal of a transdisciplinary framework for information science and philosophy.