Parmenides Foundation

Parmenides Faculty Plenary 2005 October 21 to 24 Lake Starnberg, Germany

Yoshihiro Miyake

Department of Computational Intelligence and Systems Science, Interdisciplinary Graduate School of Science and Engineering, Tokyo Institute of Technology

Co-creation system and "Nowness"

"Nowness" is a place where logic toward the past and logic toward the future intersect. It can be said that this is the self-reference between the dual logics. Thus, "Nowness" is a generation process of "Self" itself.

However, a current science and the system theory have put the base on physical time. And, the problem of the generation of "Nowness" was not positively taken up. Newtonian continuous time has been widely accepted assuming that it is evident.

Therefore, modern communications technology, such as internet, has severe difficulty to support the generation process of "Nowness" between humans. This seems to be the basis of various, social problems.

For instance, the recently remarkable, weakening of a social community is one example. We have investigated the creation and the common mechanism of "Nowness" in psychology, and proposed a new frame "Co-creation system" based on it.

Furthermore, the framework has been applied to various human's communications as an artificial support system. In this presentation, we explain the social background of Co-creation system research and its target. In addition, dual logic of time "Nowness" and its time generation and sharing dynamics are shown.

Finally, not only the possibility of the system theory including "Nowness" but also the responsibility of such a system to the society is discussed.