

Metasynthetic Social Intelligence Engineering: A Review

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Complexity science is called “the science of 21st century”. From 1980s, some Chinese scientists have begun to do the research on “complexity” independently. And in 1990, a paper “A new scientific discipline: open complex giant system and its methodology” was published, in which the concept of “Open Complex Giant System (OCGS)” and its methodology, metasynthesis were proposed.

Metasynthesis has been extracted, generalized from practical studies, especially of the social system, human body as a system and geographical system. The point of metasynthesis is to unite organically the expert group, data, all sorts of information, and the computer technology, and to unite scientific theory of various disciplines and human experience and knowledge. This makes a metasynthetic social intelligence system. Successful application of the method depends on giving full play to the synergetic advantages of the system.

In this talk, I will review the following development phases of metasynthetic social intelligence engineering:

1. From “qualitative and quantitative combined meta-synthesis” to “meta-synthesis from qualitative to quantitative”
2. From “meta-synthesis” to “hall for workshop of meta-synthetic engineering (HWME)”
3. Meta-synthesis of intelligent systems
4. From theoretical framework to operatable platform
5. From HWME to CWME
6. From methodology to applications

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