

In this talk, I will introduce some connections of Hayek's thought on the mind and the society to recent advances in neuroeconomics and quantum cognition.

Hayek's economic thought on the order of the society was strongly linked to his idea on non-forward-looking evolution-like processes mediating customs and traditions in the society. The analogy of bottom-up pattern recognition processed in the brain to a non-central planning social order was of Hayek's interest.

In recent advances in behavioral and neuro-economics, Hayek's views of the human nature (e.g., parallelly-distributed information processing in the brain and bounded rationality) have been supported. Also, context-dependency of human cognition has been focused in the discipline of quantum cognition which studies human judgement and decision making by utilizing quantum probability theory. The links of Hayek's thought and future directions of neuroeconomics and quantum cognition will be discussed.