

## EDITORIAL

Welcome to the seventh volume of the *Interdisciplinary Description of Complex Systems*, and its first issue consisting of three regular articles.

The articles are similar, among other possible similarities, in that in all of them a formalism from theoretical physics is utilised in describing and understanding of complex phenomena in other fields. The articles', probably most manifest, difference is that each of them considers a different field.

In particular, S. Guala considers influence of taxes in wealth distribution, as a socioeconomic category. In order to analyse different possibilities of influence of taxes he projects the idealised economic system onto physical system of particles mutually interacting in a classically prescribed way. He utilises further the fact that solutions of the physical model are known, and interprets them within the context of the initial system.

Author S.A. Amelkin considers information transfer among individual agents using elements of theory of irreversible processes. He marvellously formalised information exchange process by dividing it into several well-defined and intuitively understandable categories.

Finally, D. Pećnjak asks whether free will, as defined from the libertarian point of view, is possible if chaos theory and quantum mechanics are taken explicitly into account. He argues about the existence of somewhat evolved interpretation of the free will, on the one hand linked to the existing notion free will and on the other hand aligned with the essences of quantum mechanics and chaos theory.

2 July 2009

Josip Stepanić