SYSTEMS-NET WEBINAR SERIES

Linguistic Modelling of Scenarios

The basis for Paradigm Change from Systemic View to Systems Science

Wednesday, 5th March 2014 12:30 p.m.

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Webinar Overview

The term 'system' is used frequently in everyday life and by professional people when they refer to a part of the world which appears to be 'complex' in some way [transport system, system of differential equations, system of thoughts...]. The system phenomenon is empirical.

Since the 2nd WW a vast and diverse intellectual apparatus, the 'systemic view' has evolved to deal with this phenomenon [control systems, general systems theory, cybernetics, systems thinking, systems engineering...].

Perceived PROBLEMATIC ISSUES of the phenomenon: By and large, this apparatus is speculative, fragmented, lacks fundamental, unifying basis, out of context with other views...

The task is to search for the resolution of these issues assuming they have a basis, through 'paradigm change from the 'systemic view' to SYSTEMS SCIENCE !!!!!!! The means for the accomplishment of change is 'linguistic modelling'.

Linguistic modelling uses 'processed natural language' derived from a 'story of a scenario' leading into structures of 'ordered pairs' [statics] or 'predicate logic statements' [dynamics] capable of carrying uncertainties and mathematics. It has its roots in accepted branches of knowledge, teachable, can deal with qualitative properties of living, in particular human components and it is part of problem solving/design. However, it needs exposure to debate, software and other developments.

Presenter

Janos Korn graduated in mechanical engineering at Queen Mary College, University of London in 1960. After a few years in industry as a development engineer, he became a lecturer in control systems, a position he retained until retirement from Middlesex University. He obtained MPhil and PhD degrees at QMC through part time research. He was a member of the Institutions of Mechanical and Electrical Engineers and has published 4 books and 145 papers in professional journals and conference proceedings.

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