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Sudden unique mass-social self-similarity between human and nano scales: From T-patterns to T-strings to T-societies**Magnus S. Magnusson***University of Iceland, Iceland*

Initially much inspired by the work of ethologists N. Tinbergen, K. Frisch, and K. Lorenz, who in 1973 shared a Nobel Prize in Medicine or Physiology, H. Montagne's work on interactions in social insects and humans, S. Duncan's work on human turn-taking, B.F. Skinner's on real-time probabilistic contingencies, linguist N. Chomsky's on syntactic structure and creativity, and E. O. Wilson's Socio-biology, where insects were the smallest species, and none were parts of others, thus no talk of Nano scale actors nor self-similarity. This talk primarily reflects this author's recent free open access paper entitled "T-patterns, external memory and mass-societies in proteins and humans: In an eye-blink the naked ape became a string-controlled citizen" resuming over 50-years of research since 1995 involving a growing formal international (European-American) inter-university collaboration of now 38 universities to test and further develop "Magnusson's analytical model" for better understanding social interaction through development of mathematical pattern types, mainly T-patterns and T-patterned strings, T-strings, with dedicated detection algorithms and software (TPA, THEMETM, patternvision.com) widely used for their detection in interactions in humans and animals, brain networks, and finally in DNA and proteins drawing attention to the sudden rise of a uniquely human mass-social self-similarity (spanning some eight orders of magnitude) to trillions of protein mass-societies constituting every individual. Giant Extra-Individual Purely Informational T-strings (GEIPIT), first DNA then texts, suddenly allowing the advent of human mass-societies and explosive growth of science and technology, including recognizing the deep roots of the modern human mass-social lifestyle.

Biography

Magnus S. Magnusson, Ph.D., Emeritus Research Professor, founder, and director of the Human Behavior Laboratory (HDL.hi.is), School of Health Sciences, University of Iceland. Author of the T-system, detection algorithms, and THEMETM (PatternVision.com) initially focused on real-time behavior organization. Co-directed the two-year project "DNA analysis with Theme." Keynotes in ethology, neuroscience, mathematics, religion, proteomics, A.I., and Nano science. Deputy Director 1983-1988 in the Musée de l'Homme, Paris, then invited Professor at the University of Paris V, VIII & XIII. Now works in formal collaboration between 38 European and American universities initiated 1995 in the Sorbonne, based on "Magnusson's analytical model."