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**T-patterns, T-strings and T-societies and the Sudden and Unique Mass-social Self-similarity between Proteins and Humans.****Magnus S. Magnusson***University of Iceland, Human Behavior Laboratory, IS101 Reykjavik, Iceland.*

This work was initially much inspired by the work of ethnologists N. Tinbergen, K. Frisch, and K. Lorenz, who in 1973 shared a Nobel Prize in Medicine or Physiology and E. O. Wilson's Socio-biology, where insects were the smallest species; none were parts of others and there was neither talk of societies of Nano scale actors nor of the sudden rise of unique mass-social bio-mathematical self-similarity across some 8 orders of magnitude, between T-string-based societies (T-societies) in proteins and humans. 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 the development of mathematical pattern types, mainly T-patterns and T-strings (i.e., T-patterned strings) with dedicated detection algorithms and software (THEMETM, patternvision.com) for T-pattern Analysis (TPA) widely used for in analysis of interactions in humans and animals, and more recently in brain networks and finally for T-string detection in DNA and proteins, which has drawn attention to uniquely human mass-social self-similarity (spanning some eight orders of magnitude) to trillions of protein mass-societies in animal and human individuals. Giant Extra-Individual Purely Informational T-strings (GEIPIT), first DNA then texts, suddenly allowing the advent of human mass-societies and explosive growth of laws, science, technology, and the modern human mass-social lifestyle.

**Biography**

Magnus S. Magnusson, Ph.D. Emeritus Research Professor, founder, and director of the Human Behavior Laboratory (HBL.hi.is), University of Iceland. Author of the T-system including the T-pattern, T-string, T-society, and the bio-mathematical T-self-similarity concepts. THEMETM (PatternVision.com) for T-pattern detection in real-time behavior, molecules, and text. 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. Works in formalized collaboration between 38 universities initiated 1995 in the Sorbonne, based on "Magnusson's analytical model."