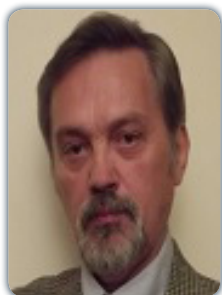


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Music as resonating structures: Music, memory, consciousness and applied research in therapy

Music as resonating structures seems to be an obvious sentence. Or it is? What did we generally really know about music, its structures, its laws, rules, effects on human brain, mind and organism? It is really, valid applications in therapy? music is a complex phenomenon and as such does not support only a short and comprehensive definition. It is made by sounds, which are resonating phenomena; but sounds alone are not music, not yet. One of the definitions I gave to the music is that "Music is the science of organizing the sounds in logical structures". Using the single sounds, or frequencies, bring always some results in therapy. But the results appear randomly. Organizing the sounds in logical structures, which is what Music are doing, lead always to clear and programmable results in therapy. Musical information is fractal. The music composition techniques are set of rules to work with fractals and this is valid for any kind of music and in every culture in the world. This aspect of music is basic for the complex relationships between music and memory and explains why music is effective in any therapy regarding memory dysfunctions. It is also important in educational and learning processes and related disturbs. In this presentation all these aspects will be discussed both as theoretical approaches and in practical applications, with live and recorded examples. As tesla says, "all is vibration". Music it is not only random vibration, random frequencies; it is a science and should be known and used as such.

Biography

Alexander J Graur is currently affiliated to University of Torino, Italy, continuing research in the specialized scientific area of music, psychiatry. He is serving as an honorary author for Journal of Biomusical Engineering & other reputed journals and has authored several articles along with chapters in different books related to Music, Psychiatry.

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