



What it is JBME, Who is Dedicated to and Why to Collaborate

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Editorial

The Journal of Biomusical Engineering: an intriguing title. This is a journal dedicated to a brand new point of view regarding the interactions between the science of Music and other sciences, not a new discipline itself. It is an interdisciplinary approach involving research and applications of Music mainly in clinical environment using the modern sound processing technology.

The science of Music is interdisciplinary by itself. It is on the borders of anatomy and physiology, physics, molecular biology, neurosciences, logic, mathematics, and has its proper rules and laws. In clinical environment it involves also the psychiatry, psychology, pharmacology, neuro pharmacology, physical rehabilitation.

The sound processing could be considered by professional musicians as an orchestration tool; exactly like the process of instrumentation and orchestration, when a simple melody became a full concert piece played by an orchestra. The sound processing offers the whole range of interactions between timbers, intensities, space distributed sound springs, instant modifications of the speed (tempo) of the music, different sound filters, and many other possibilities of composing and acting upon the music.

The use of computer-aided music composition and sound processing opens new ways in clinical environment; the most effective results being obtained in psychiatric and rehabilitation environments.

Other fields could be most interested, like interventions in cerebral palsy and coma, peri-natal treatment and post-menopausal disturbs.

It is a most efficient tool for dealing with Alzheimer patients; using the computer dedicated software the therapist can react instantly to the specific requirements of the patient.

Our journal addresses those who are involved in research and applied research using Music and Music's technology in any form. Professional musicians, musically trained scientists, clinicians; but also biofeedback therapists and psychologists who use Music listening in order to enhance the effectiveness of the psychotherapy are encouraged to send their findings to our journal, for the benefit of all the community involved in applying Music science in clinical environment.

The composers specialized in movie sound tracks are welcome to send papers about the specific use of technology in linking the music to the visual action; the technical creation of the psychological impact on the public is of an utmost interest for any clinician because it can be used for therapy goals.

The original idea, first proposed by Daniel Schneck and Dorita Berger some couple of years ago, at that time had a world-wide adhesion of musicians and scientists; unfortunately the conditions were not still mature, as they are now, for the publication of a journal regarding an unusual approach to the Music, technology and clinical research.

The Journal of Biomusical Engineering is waiting for your opinions and wishes you all an instructive lecture of our papers and contributions.