

KNOWLEDGE FEDERATION PROTOTYPE: TESLA AND THE NATURE OF CREATIVITY (TNC)

Dino Karabeg,^{1,2} Dejan Raković³⁻⁵

¹ Associate Professor, PhD Computer scientist, BEEE, Institute of Informatics, University of Oslo, Norway

² Founder, Knowledge Federation

www.knowledgefederation.org

dino@ifi.uio.no

³ Professor, PhD Physicist, BEEE, Faculty of Electrical Engineering, University of Belgrade, Serbia

⁴ Founder, DRF Fund for Promoting Holistic Research and Ecology of Consciousness, Belgrade, Serbia

⁵ Director, ECPD School of Quantum-Informational Medicine, European Center for Peace and Development (ECPD) of the United Nations University for Peace, Belgrade, Serbia

www.dejanrakovicfund.org

rakovicd@etf.rs

Abstract. Prototype Tesla and the Nature of Creativity (TNC) is being developed as a showcase example of Knowledge Federation. *Motivation:* One of the points of this work is to show that IT innovation can – or better said *already has* expanded to systemic innovation; and how exactly this type of work might be done with available technical tools. *Use case:* DR, as an author of the article On Nature and Control of Creativity - Tesla as a Case Study, has been focusing on quantum nature of creativity of arguably the greatest creative genius in electrical engineering of all times, Nikola Tesla, as case study; if his result should have the sort of impact it can and needs to have, it will have to be federated. DK, as a federator in Knowledge Federation, received the article and recognized its potential for making an impact: (i) collective creativity may indeed be most important function of the agile and transformative collective mind we have undertaken to co-create, (ii) it bears upon the theme of (foundations for) truth and worldview creation, by challenging the paradigm of classical cognitive science and by offering a way to extend it into paradigm based on quantum epistemological insights. *Transforming a research article into an accessible multimedia object:* The substance of DR's article – model of direct creativity – is written in the language of quantum physics, and is therefore not accessible to non-specialist readers. The first step in federation was to extract from DR's article, and his other articles and experience, a simple visual model of how direct creativity works and how it might be controlled and used – expressed in conventional, rather than quantum-physics metaphors. The second step was to extract from this model certain general key ideas – a general idea contribution of this work. A result of this initial phase of federation was to show how a conventional research article may be turned into a multimedia object, with idea maps, recorded interviews with the author providing additional explanation, navigation structure, text annotations... Once the socio-technical system for presenting academic information has been designed and tested in this way, *suitable* information technology may be developed by IT industry. *Presenting, connecting and crowdsourcing ideas online:* In the second phase of federation certain ideas are selected from the article, along with their relationships, and made available online to community of interest or the global community, by using the Cohere platform. *Changing the public mind through a dialog:* A goal of this final stage of federation is to bring the key, transformative ideas to public awareness. To that end, we create a dialog including community's opinion leaders and media people. The dialog begins in physical space and continues on Internet and in the media. Our physical dialog aims to further develop David Bohm's dialogue technique by combining it with a therapeutic strategy called 'intervention.' *Conclusions:* Coming back to the insight "knowledge work has a flat tire" which we named as motivation, we can now see contours of a remedial procedure – one capable of combining together researchers, and general public, to organize relevant resources together and produce a reliable worldview-changing or direction-changing insight or *gestalt*. Our vision is a global knowledge-work game-like environment, a true global mind. A goal of Knowledge Federation is to evolve a general-purpose systemic 'game-changing game,' an environment where habitual ways of doing knowledge work, and perhaps any other kind of work, can be changed in a meaningful way.

Keywords: *knowledge federation, systemic innovation, holistic informing, knowledge work that works*

QUANTUM-HOLOGRAPHIC FRAMEWORK FOR CONSCIOUSNESS & ACUPUNCTURE: PSYCHOSOMATIC-COGNITIVE IMPLICATIONS

Dejan Raković

¹Professor, PhD Physicist, BEEE, Faculty of Electrical Engineering, University of Belgrade, Serbia

²Founder, DRF Fund for Promoting Holistic Research and Ecology of Consciousness, Belgrade, Serbia

³Director, ECPD School of Quantum-Informational Medicine, European Center for Peace and Development (ECPD) of the United Nations University for Peace, Belgrade, Serbia

www.dejanrakovicfund.org

rakovicd@etf.rs

Abstract. The paradigm of quantum physics enables us to broaden our holistic worldview, and explain and include phenomena that have hitherto been ignored or denied, which can lead to profound change in any field and in our society at large. The aim of this paper is to present quantum-holographic framework for understanding consciousness and acupuncture system, with significant psychosomatic-cognitive implications. This is of special importance because of wider application of holistic medicine in developed countries, oriented to the treatment of man as a whole and not diseases as symptoms of disorders of this wholeness, implying their macroscopic quantum origin. The focus of these quantum-holistic methods are body's acupuncture system and consciousness, which exhibit a structure of quantum-holographic Hopfield-like associative neural network, with memory attractors as a possible quantum-holographic informational basis of psychosomatic diseases, of special importance for quantum-holistic psycho-somatics and quantum-informational medicine. Wider quantum-informational implications of holistic medicine suggest quantum-holographic fractal coupling of the cellular level/acupuncture system/consciousness/ collective consciousness, which thus implies "downward causation" biophysical mechanism for modified gene expression. Our quantum-holographic investigations also predict two cognitive modes of consciousness (direct religious/creative, in quantum-coherent transitional and altered states of individual consciousness, and indirect perceptually/rationally mediated, in classically-reduced normal states of individual consciousness). This approach can account for space-time-transcending collapse-like quantum-gravitationally-induced and consciousness-channeled transpersonal interactions, with significant spiritual implications and conditions for observation of quantum-coherent quantum-holographic implicate order and classically-reduced explicate order. Our investigations forecast great synthesis of two cognitive modes in the framework of new quantum-holographic paradigm – where personal role becomes indispensable due to the influence and care for collective mental environment, which is fundamental question of both mental health and civil discency, i.e. of both spiritual and civil morality.

Keywords: *quantum-holographic informatics, macroquantum aspects of field-related consciousness & acupuncture system, nonlocality of quantum entanglement & quantum-gravitational collapse, quantum-holographic psychosomatic-cognitive & transpersonal-spiritual implications, quantum-holographic paradigm, quantum-holographic implicate order & classically-reduced explicate order*

**QUANTUM WILL BE THE MEDICINE OF TOMORROW
AND IT WILL REVOLUTIONISE OUR LIVES!**

Albert Ya. Grabovschiner,¹ Jean-Louis Garillon²

¹Professor, PhD Biomed Engin, BEEE,
President, “Quantum Medicine Association”, Russia
www.kvantmed.ru
ga@milta.ru

²NMD, D.Public Health, Certif. Quantum Medicine,
Vice-President, “Quantum Medicine Association”, France
jl.garillon@wanadoo.fr

Abstract. Quantum medicine can be defined as a new medical direction, based on synthesis of all recent advances in quantum physics and the latest data on the deep nature of the living with the millennia experience of oriental medicine, or with the information-energy reality of a living substance. Quantum medicine is based on the use of energy quanta, i.e. small doses of electromagnetic radiation, for the purposes of diagnostics, treatment and prevention of many diseases, facilitating recovery of human health. In this case electromagnetic radiation is close to the natural level and intended to have a positive effect on functions of cells, tissues, organs, systems and whole organism. Although quantum medicine is at the initial stage, it promises revolution in majority of the methods to ensure human health in the near future. Through development of information-energy biologically compatible processes, quantum medicine might optimize all areas of healthcare.

Keywords: *quantum medicine, quantum diagnostics, quantum therapy, quantum prevention, future of quantum technologies*

MODERN SITUATION AND PERSPECTIVES OF ELECTROPUNCTURAL DIAGNOSTICS AND BIORESONANCE THERAPY

Mihail Yu. Gotovskiy

Director, Center of Intellectual Medical Systems IMEDIS, Moscow, Russia

www.imedis.ru

gm@imedis.ru

Abstract. More than 30 years ago Dr. F. Morel introduced a bright idea of the bioresonance therapy. Since that time we observe development of several directions of technical implementation of this idea as well as clinical application of the equipment. It should be noted that bioresonance therapy, homeopathy and electropunctural diagnostics methods are officially approved by Ministry of Healthcare of the Russian Federation. All that gave the chance for both fast and deep, accompanied by fundamental research, development of diagnostic and therapeutic methods based on integration of empiric conceptions and heuristic models of classical acupuncture, homeopathy, physiology, chronopathology, with support of electronic hardware. Medical educational institutions offer post-graduate retraining courses covering all methods of traditional medicine. Such favorable situation gave rise to development of domestic producers of equipment for bioresonance therapy and electropunctural diagnostics and therapy, for example Center of Intellectual Medical Systems IMEDIS, which produces all range of mentioned equipment. In Russia method of bioresonance therapy gained wide distribution thanks to researches and developments conducted by Center of Intellectual Medical Systems IMEDIS directed by Yu. V. Gotovskiy. First experimental works on development of bioresonance therapy were done in middle of 1980ies by the collective of developers of diagnostic and therapeutic equipment later formed as Center IMEDIS. In 1994 apparatus for bioresonance therapy IMEDIS-BRT for the first time was approved for production and application in medical practice in Russian Federation, and in 2000 Ministry of Healthcare of the RF approved methodical recommendations for bioresonance therapy. Conception of endogenous adaptive bioresonance therapy formulated and developed by Yu.V. Gotovskiy, based on meridional systematic approach to therapy of various diseases, is realized in equipment produced by Center IMEDIS. Along with creation of diagnostic and therapeutic equipment, collective of Center IMEDIS worked out principally new methodic approaches to application of bioresonance therapy for treatment of various pathologies as well as rehabilitations and sports medicine. The results of such work are used by Center IMEDIS for scientific research, development of educational packages for post degree training of medical doctors, and methodic recommendations. Bioresonance therapy is developing on the basis of experimental and clinical backgrounds at the modern level of knowledge. For example, one of the first researches in the area of bioresonance therapy in Russian Federation was the article of Prof. B. I. Islamov, entitled “BRT as method of non-pathogenic induction of protein synthesis in human blood lymphocytes”, published in 1995 in Reports of Russian Academy of Sciences, where it was shown that BRT restores synthesis of heat shock albumens in patients with stomach ulcerous disease, polyarthritis, spinal osteochondrosis, and that heat shock proteins responsible for development of autoimmune processes are also raised, e.g. an affect of similia is observed. During last 15 years a huge scientific research and practical work on application of the bioresonance therapy in clinical practice was done. Books, practical guidances, methodical recommendations, and articles in profile magazines were published. And candidate and doctorate works were fulfilled. Up to date results of experimental and clinical work will be presented during report.

Keywords: *Center IMEDIS, electropunctural diagnostics, bioresonance therapy*

HOMEOPATHY: ENERGY-INFORMATIONAL HOLISTIC VIEWPOINT

Lazar Trifunović

MD, BSc Homeopath, Private Medical Practice „Agora“, Novi Sad, Serbia
laki55@yahoo.com

Abstract. Homeopathy is a medical system founded by the German doctor and chemist Samuel Christian Hahnemann (1755 – 1843) who had profound insight into life, the human body, health and disease. Only recently modern scientific disciplines, such as quantum physics, have started to explain the discoveries to which Hahnemann came intuitively. Homeopathy, contrary to conventional western medicine, is based on the belief that humans are much more than their material physical body. Homeopathy recognizes levels of existence that are not perceivable by our five senses. The core of our being is made of energy, our vital force. It abides at the energy level, but manifests itself on three different levels. The most subtle level of its manifestation is the mental level where it manifests as thoughts, the next level is our emotional level where it manifests as emotions, and on the physical level its manifestation is material body. When the vital force is in its natural state of balance, its ideal state, it is manifested as mental, emotional and physical health. However, if our vital force is out of balance it is considered in homeopathy as disease. This disease will be expressed by our vital force as pathological symptoms on the mental, emotional and physical levels, extending the concept of disease that classical medicine upholds. For homeopathy disease is possible only at the energy level. Symptoms on the mental, emotional and physical level are only the external, visible manifestation of the disease. In homeopathy influences on the vital force that throw it out of balance are called miasms. Miasm is a word of Greek origin which means pollution, impurity, or stain. Hippocrates was the first to use word miasm to explain how diseases are spread by air, water, or other ways. If we treat a single case of pneumonia we can heal it as an acute illness without understanding of miasms. However, if it reoccurs with other illnesses of the respiratory tract, this means there is a tendency towards these diseases. Our aim is to address the tendency and we cannot heal it without the understanding of miasms. Miasms are pathological energy fields that influence the vital force and keep it out of balance. This causes a predisposition towards different kinds of diseases that occur repeatedly, or towards a chronic disease with various complications and the onset of low immunity. As miasms are energetic influences, they could be treated only by other energetic influences, which can be homeopathic remedies. The therapeutic effects of homeopathic remedies are not based on biochemical reactions as in classical medicine, but on the interaction of energies.

Keywords: *homeopathy, vital force, energy level, mental, emotional, physical, disease, symptoms, miasm, energetic influences, predisposition, chronic disease, homeopathic remedies*

CARDINAL CHARACTERISTICS OF TRADITIONAL CHINESE MEDICINE

Ana Žikić

MD, BSc Homeopath, University of Traditional Chinese Medicine, Beijing, China
anazikic6@gmail.com

Abstract. Traditional Chinese Medicine (TCM) has a history longer than 4000 years. During that time, it had gradually developed into a medicine with unique and integral medical system. Because of high effectiveness and possibility of prevention of disease, it shares an important place with Western conventional medicine in Chinese public health system and it also became very important part of world medicine. Nowadays, the growth and globalization of TCM are evident in all sectors, from application to education and training. Theoretical system of TCM has two cardinal characteristics: conception of holism and treatment determination based on syndrome differentiation. TCM holds that the human body is an organic whole in which all constituent parts are structurally inseparable, functionally interactive and coordinative, and pathologically inter-influencing. It recognizes the close relation between man and its natural and social environments. Syndrome differentiation is to analyze, differentiate and recognize the syndrome of disease. Treatment determination is to consider and formulate the corresponding therapeutic principle and method according to the result of syndrome differentiation. Diagnostic methods, “four examinations“ which are being used in syndrome and disease differentiation, include looking, hearing and smelling, asking, pulse examination and palpation. Basic theories in TCM includes: yin and yang, qi and blood and five elements theory, internal organ and channel theory as well. The main parts of TCM includes: Acupuncture and moxibustion, Chinese materia medica, Chinese massage (tuina), dietology and Qi Gong. In 1972, the World Health Organization (WHO) nominated 43 kinds of indications of acupuncture and moxibustion to the whole world. After a lot of studies and evidence-based medicine being done, they further expanded and modified this list in 1978 and 1982, and sum up the indications of acupuncture and moxibustion to 300 species. Acupuncture is one of the most effective methods of relieving pain. It is giving very good results in treating diseases of muscles, bones, joints, nervous system, cardiac, respiratory, gynecological disorders... Chinese Materia Medica gives the system of using the Chinese medical herbs in forms of herb formula in order to treat different syndromes. Qi Gong is a science, a philosophy, a way of thinking. It is an art of maintaining good health and balance through aligning breath, physical activity and awareness. The basic principles of TCM remain the same, adaptation is always done in order to better integrate for the use of today's global society. It could have complementary nature to Western conventional medicine.

Keywords: *traditional Chinese medicine, acupuncture and moxibustion, holistic system*

MAN AS A QUANTUM-WAVE PSYCHOSOMATIC SYSTEM

Grigori I. Brekhman

¹ Scientific Consultant, The Interdisciplinary Clinical Center, University of Haifa, Israel;

² Professor, Grand PhD, MD, State Medical Academy, Ivanovo, Russia
grigorib@013.net

Abstract. The author considers the Man from a position of the theory of *wave-particle* duality of a matter. It has opened existence in a nature of ways of interaction and information interchange between genes, cells, persons, about which we did not suspect or knew a little. The concept of duality has allowed understanding the riches of the information contained in the man that has enabled to consider him as a *psychosomatic system* and to explain some features of thinking and behaviour of the people, sources of their talents and problems, and also feature of functioning in a society and relations with each other. In the certain measure the concept of duality gives an explanation of reasons of diseases, and gives interpretation to methods of treatment, which (despite of the efficiency) ascribe to alternative and do not admit by official medicine. Author describes the uterine myoma as a psychosomatic process, manifesting itself in ischemic uterus disease. He substantiated and used the holistic approach and nonstandard method of psychoelectroregulation in these patients which gave the long-term results.

Keywords: *theory of duality, genes, wave genetics, memory of water, cellular memory, biofield, man as a psychosomatic system, uterine myoma, psychosomatic disease, psychoelectroregulation*

PRENATAL BASES OF DEVELOPMENT OF SPEECH AND LANGUAGE AND PRENATAL STIMULATION

Mirjana Sovilj

¹Director, PhD Defectologist, Institute for Experimental Phonetics and Speech Pathology, Belgrade, Serbia

www.iefpg.org.rs

iefpgmir@gmail.com

²Life Activities Advancement Center, Belgrade, Serbia

www.add-for-life.com/index.html

Abstract. This chapter globally discusses development of hearing and bases of verbal communication in prenatal period as well as postnatally, in the early prelingual phase – period of vocalization. It includes Milakovic's scheme of programming prenatal child, and discusses results of both our and foreign researches so far. It also offers critical review of psychological and linguistic theories of child's development, since none of them analyzed very significant prenatal period of development. It also points out the significance of prenatal period and stimulation of prenatal child, not only for postnatal period, but also for the entire behaviour during life. Particular emphasis was given to the relation of congenital, inbred and acquired in the development of speech and language, which indicates the necessity of simultaneous integral perception of articulation and acoustic process in speech-language communication. The chapter emphasizes the significance of prenatal communication mother-child. It includes experiments which indicate that prenatal child not only hears, but listens to spoken language, moves in response to it, memorizes and learns. It indicates interconnections and correlations of listening and movements which are primary for speech-language development of a child, not only in relation to the process of listening to speech, but also the process of articulation and meaning. The chapter offers short survey of the effects of prenatal stimulation and suggested activity for providing adequate staff in this field, as well as the level of organization of care of prenatal child.

Keywords: *prenatal development, speech and language, psychophysiology, acoustic theory, articulation theory, development theory*

A NEED FOR HOLISTIC APPROACH TO THE OCCUPATIONAL HEALTH DEVELOPING (IN SERBIA)

Mirjana Arandjelović

Professor, PhD, MD, Institute for Workers' Health Protection, Faculty of Medicine,
University of Niš, Serbia
amima@eunet.rs

Abstract. Countries in transition, such as Serbia, have been going through obligatory system reforms, including the reform of the healthcare system. As a rule, occupational health becomes marginalized by the authorities who decide on medical care. In spite of the fact that this branch of medicine cares for working population that mostly carries the burden of transition, when material situation equals the existential minimum, its potentials are not recognized. On the other hand, the World Health Organization makes a remark that such population's health is undermined now more than ever, and adopts a binding Global plan for member countries and their experts in occupational health to take urgent measures for overall working people's health according to their needs. It seems that former work method of biomedicine specialists could not realize such ambition. This paper discusses the possibilities of occupational health future orientation toward holistic medicine, for the sake of workers' well-being and better quality of their lives, then creation of more humane society and vocational affirmation. Health promotion at workplace and Salutogenic concept may have crucial roles. This concept is a huge challenge for academic public and vocational practitioners in poor countries in transition that are already burdened with the current economic and financial crisis. Each in their own way, helped by self-education and education, without big material investments, together they may take their countries to the road of health, the road still rarely taken, yet more secure.

Keywords: *holistic medicine, quality of life, philosophy of medicine, occupational health, salutogenesis, health promotion at workplace, transition*

SESSION C2

**SCIENCE AND SPIRITUALITY = OBJECTIVITY AND SUBJECTIVITY =
RATIONAL AND REAL = KNOWLEDGE AND WISDOM**

Igor Kononenko

Professor, PhD Computer sci., Faculty of Computer and Information Science, University of Ljubljana, Slovenia
<http://lkm.fri.uni-lj.si/xaigor/>
igor.kononenko@fri.uni-lj.si

Abstract. Both, science and spirituality are looking for the truth, but with completely different basic principles and methodologies. Science insists on objective descriptions of the world. This limits its scope to measurable, describable material world. Science deals with question “HOW universe operates” and develops various scientific theories that try to EXPLAIN. On the other hand, spirituality, stemming from various eastern and western traditions, deals with question: “WHY universe exists and what is the purpose of life”. It is necessarily subjective and relies on personal and intuitive sense. Its aim is the direct experience of reality in order to widen one’s consciousness. The spiritual seekers practice spiritual virtues like love, compassion, humility, faith, modesty, patience, courage, and sincerity. Mathematics defines strict boundaries for describable, rational (scientifically observable) world - corresponding to discrete world of natural numbers, while irrational world (subjectively observable) corresponds to the continuous world of real numbers. However, for the creative development in both material and spiritual world we need both: science and spirituality - they complement each other. In the words of Dalai Lama: mind and heart have to go together.

Keywords: *matter and consciousness, science confirms spirituality, the limits of science, teachers of wisdom, (in)direct experience, theory and practice*

ENTHEOGENIC SHAMANISM: ANTHROPOLOGICAL CATEGORY, TRANSPERSONAL DIMENSION OR PSYCHOTHERAPEUTIC MODEL

Časlav Hadži Nikolić

Professor, PhD Etnopsychiatry, MD, High School of Electrical Engineering and Computing, Belgrade, Serbia
caslawnikolic@yahoo.com

Abstract. The most significant dimension of entheogenic shamanistic ritual, being an essence of therapeutic practice in isolated groups of Amazonia, is that dimension which touches universal themes, from person's identity to its place in cosmic scheme. This experience is described as transcending borders of empirical reality, coming out the framework of profane existence and entering into realm of cosmic existence and meeting with most supreme principle. In psychology literature it is frequently called transpersonal experience, as being denoted a mystical experience in religious terminology. The question arises on characteristics of this experience (if it exists) in the framework of shamanistic concept, as according to many experts on shamanism it does not have this (mystical) component being exclusively oriented to practical purposes of healing. According to shamanistic practice in observed groups, these categories are not excluded mutually. On the contrary, they are complementary, with mystical or transpersonal experience in direct function of healing, if this healing is comprehended in the context of shamanistic concept of disease. As in this mystical experience a person is continuously returning back to his mystical trans-subjective roots and beginnings, a shamanistic return into myth past with myth scenes and symbols achieving significant relationship between a person and universe is completely reasonable. This transition from "here and now" into "there and then" means experience of transcending space and time limitations, i.e. coming out from narrow profane human framework and entering into realm of transpersonal experiences. In this context a shamanistic "road" which basically is searching for absolute, undoubtedly does have elements of mystical. Mystical, however, does not exclude practical goals of this road. On the contrary, mystical or let us call it transpersonal or integrative experience, is *complementary* in respect to these goals. In other words, this experience is in direct function of shamanistic action, in first place of healing.

Keywords: *entheogenic shamanism, anthropology category, psychotherapeutic model, transpersonal dimension, transpersonal healing, mystical experience*

REFLECTION ON THERAPIES AND RESEARCH POINTING FOR A NEW PARADIGM

Wallace Carvalho Liimaa

BEEE, Director & Founder, Private Agency, Recife, Brasil

www.saudequantum.com

wallacepan@gmail.com

Abstract. *We are living in a singular moment of the History of humanity. While the scientific and technological development increases quickly, the indicators of health of the world population are very bad and reach the worst rates in the contemporary history. Diseases like diabetes, cancer and cardiovascular diseases take dimensions of pandemics and the depression grows at alarming levels as well as Alzheimer, Parkinson, osteoporosis and many others that afflicts the modern world. We propose a reflection about therapies and scientific explorations that point for a new paradigm in which human beings are treated and fully covered in all their dimensions: (i) Investigation of Gabriel Cousen, with developed methods for healing diabetes in 21 days; (ii) Epigenetics of Bruce Lipton, proving that we are not hostages of genetics; (iii) Digital Biology developed by Jacques Benveniste, allowing to use information as a new aspect of vibrational medicine of the future; (iv) Discovery of neural plasticity, showing that we can, from enriched environments, increase the neuronal connections and influence the physical structure of the brain favorably; and (v) Discovery of biophotons by Fritz-Albert Popp, making possible to understand the language of cells and diseases such as cancer, and interpreted them in terms of vibrational medicine.*

Keywords: *diseases are taking pandemics dimensions, healing of diabetes, epigenetics, digital biology, neural plasticity, biophotons*

PEAT AND ENERGETIC AND SPIRITUAL (PSYCHO)THERAPIES

Živorad Mihajlović Slavinski

BA, Clinical psychologists, International trainer in the area of personal development,
Founder, Spiritual Technology, Belgrade, Serbia
www.spiritual-technology.com
zmslavinski@gmail.com

Abstract. Energetic (Psycho)Therapies is a common term covering a group of new alternative (psycho) therapies created in the past two decades, which are also called Meridian (Psycho)Therapies. They are based on the common observation of majority of practitioners that psychological and emotional problems can be understood as manifestations of energy disruptions of energy configurations in the human energetic field. In essence, systems of Energy and Spiritual (Psycho)Therapies represent an application of the energy and Spiritual paradigm to the removal of psychological and emotional aberrations, diseases, and other maladies. The proponents of these therapies believe that the causes of these aberrations are disturbances in the energy field (or aura) of a human being, fundamentally manifested as energy structures, which naturally manifest themselves neurologically, biochemically, cognitively, behaviorally and spiritually. The introduction of the energy/spiritual paradigm into the fields of psychotherapy and represent a quantum leap in the understanding of these important areas, since it makes us look at them from an entirely different viewpoint. Psychological traumas, persistent phobias, allergies, post-traumatic stress and other psychosomatic disorders, are resolvable far faster if we approach them as if they were disturbances in energy and spiritual fields, than if we start searching for their historical causes – as was characteristically done in earlier times, beginning from the Freud psychoanalysis. Changing the structure of the energy and spiritual fields that are at the roots of problems is enough to create healing or a shift in the Spiritual Consciousness. In this paper we shall mention few main systems of Energy psychotherapy and our method of Primal Energy Activation and Transcendence (PEAT), an expansion of consciousness and spiritual maturity and development. The most important discovery, which we demonstrate in PEAT is that every human being has one pair of most fundamental polarities – his/her Primordial Polarities or his/her Personal Codes. Without their integration there can't be the true psychological, emotional and spiritual freedom.

Keywords: *energy (psycho)therapies, PEAT, spiritual psychotherapies, traumas, persistent phobias, allergies, post-traumatic stress, integration of Personal Codes, getting to void as the core of human being, raising up the levels of consciousness etc.*

QUANTUM TRANSFORMATION

Sonja Simonovska

¹ Psychological counselor, Energy therapist, International trainer in the area of personal development,
Private Practice, Vienna, Austria

² Association of Doctors, Therapists and Counselors in the Health Sector, Vienna, Austria

³ Atman - Austrian Association for Integrative Breathing, Vienna, Austria

office@sonnenaufgang.co.at

www.sonnenaufgang.co.at

www.kvantna-transformacija.com

Abstract. Quantum Transformation is a practical application of the Two Points Method in the field of healing and life issues solving. Two Points Methods has its roots in the ancient Hawaiian spiritual technique of Huna, rediscovered independently by Dr. Richard Bartlet (Matrix Energetics) and Dr. Frank Kinslow (Quantum Entrainment), with a great contribution of Andrew Blake (QCT-Quantum Consciousness Transformation). Not only because it is easy, simple to use, and at the same time very effective, but also because of the possibility of combining it with other therapeutic and healing techniques, Two Points Method is spreading through Europe very quickly. When two distinct points on the body or aura get connected, Quantum waves are produced, initiating huge changes on all levels and in all areas of life. Quantum Waves initiation makes changes on a deepest level, altering our Matrix. The Matrix contains our deepest beliefs, in other words, fixed attitudes originated from individual consciousness and different life stages (the childhood, the prenatal period, the birth process, conception or inheritance - karma) and fixed attitudes derived from group or collective consciousness. Those subconscious beliefs are often opposed to our conscious beliefs and they are the main cause of our psychological and physical suffering, as well as many diseases. Faster transformation of subconscious beliefs can be achieved using Quantum Waves, which leads toward change of our reality. The essence of Quantum Transformation is pure consciousness. Pure consciousness is actually pure love. Quantum Transformation is a method that uses love energy for healing purposes. Quantum Transformation workshops, using quantum waves, meditation, music, movement and body work “teach us” through experience how to use the energy of love in healing and combining this method with other healing and energy based methods.

Keywords: *quantum transformation, two points method, quantum waves, quantum matrix, the matrix, the field, individual consciousness, group consciousness, collective consciousness, love, energy*

**INTEGRATIVE MEDICINE, ENERGY MEDICINE
IN DAILY LIFE AND WORK OF HEALTH PROFESSIONALS:
SUPER HEALTH PROGRAM & ACUPUNCTURE WITHOUT NEEDLES**

Silvia Saxer

MD, MSc, Public health & Health management, Expert in Energy medicine,
Founder, Association for Therapists of Integrative Medicine (ATIM)
modern.energymedicine@gmail.com
www.pranichealingnorway.com

Abstract. Our program is designed with the goal to enhance the quality of life and work for health professionals: by getting awareness, quality knowledge and skills for daily use in professional and private life in order to *prevent* potential harmful energy influence on the physical, mental, emotional body; and hence maintaining *natural health and vitality* with increased *potentials and skills*, better quality work, efficiency, cost reduction, thanks to usage of the *new knowledge, demystification of different „phenomena“ and abilities to see & feel & control our own energy being & environment – establishing etheric hygiene*. Life skill building Dr. Saxer – WHO Geneva, Uni Heidelberg, *Quality life and health* for all from 0-100, with contribution of modernized scientific knowledge and art – *Pranic Healing (PH), Master Choa Kok Sui (MCKS), External Chi Gong, Internal & External Health factors, Educators Education, Healthy & More Powerful Therapists*. PH therapy is a *scientific knowledge and art*, based on ancient 5000 years old secrets, originally modernized over 40 years, by scientist, MCKS, with published 30 books with unique original detailed knowledge and skills, 30 seminars, with wide range of topics and issues covered from top level quality therapy work seminars, with original protocol for every health condition, over 100 protocols, then highest level spiritual uplifting techniques, area of health and quality life for people, animals, farming, nature, climate, Planet, business, feng shui. All courses were patented and present in 100 countries. Explained *Levels in Chinese medical art*: from bottom to top, 1st acupressure, 2nd manual massage + aroma therapy, 3rd acupuncture, 4th electro-acupuncture & 5th Pranic Healing – moving energy art with no touch. Technique is legally allowed by our efforts in Serbian Ministry of health. *Man is energy being with its inner energy*, immersed in ocean of *outer energy*, affecting all. *Quality and quantity of those energies, molds our life and health*. Today, even with an ordinary digital camera, without any additional filters, we can record and show the existence of those energy fields. There are also special cameras for picturing energy in various colors. Usage of this relatively new *unique modern scientific knowledge and skills* can create *foundation & gate* towards *better health quality life, promotion & work practice*. Knowledge Federation is a great opportunity for that good start.

Keywords: *usage of energy medicine in daily life and work by health professionals, new foundation of truth with use of rather new scientific knowledge and skills for better health quality life & work*

HOLISTIC APPROACH TO SUSTANABILITY

Dušan Pavlović

MS Marketing, BA Economist, LITO, Agency for Education and Consulting, Belgrade, Serbia
sofi123@open.telekom.rs

Abstract. The ongoing global crisis is quite different in comparison with the Great Depression in the 20th Century. It is of far greater magnitude because huge imbalances have been created not only in the economic and social spheres, but also in the global environment, which is the condition for survival of humans and the other species of the planet. These imbalances have been created by human activities. Today, most scholars would agree that our behavior has been unsustainable, and that the problem of sustainability and sustainable development is the major task facing our civilization. When it comes to dealing with economic, social and environmental issues there are three basic approaches. The first approach is based on a belief that solutions are to be found within the system by introducing more comprehensive rules and regulations, standards of behaviour and development of new technologies. The second approach questions the system itself and proposes its change. The third approach is most radical. From that perspective, even the changes of the system are not sufficient. What is needed is the paradigm shift in all human activities: from reductionism in thought and behaviour, towards holism. In our discussion of the holistic approach we shall stress out that there two basic perspectives on holism, and that both of them address the relationship between unity and plurality. The central question is: what is meant by holism? Do we understand holism as unity based on a fundamental plurality, or plurality founded on an underlying unity? We shall argue that searching for the answers to these questions is not only of academic interest and importance but also the key for understanding the issues of sustainability and therefore, for our very survival and wellbeing.

Keywords: *global crisis, sustainability, sustainable development, reductionism, holism*

SESSION C3

INTEGRATIVE MEDICINE

Momir Dunjić

¹Docent, PhD Gynecologist, MD, School of Medicine, University of Pristina, Serbia

²President & Founder, Serbian Association for Integrative Medicine, Belgrade, Serbia

³President & Founder, Serbian Association for BDORT, Belgrade, Serbia

⁴Member, Int. Association for Promotion and Development of Quantum Medicine "Quanttes", Belgrade, Serbia
momirdunjic@yahoo.com

Abstract. Integrative Medicine (IM) is healing oriented and emphasizes the centrality of the doctor-patient relationship. It focuses on the least invasive, least toxic, and least costly methods to help facilitate health by integrating both allopathic and complementary therapies. These are recommended based on an understanding of the physical, emotional, psychological, and spiritual aspects of the individual. It is important to see the benefits and limitation of our current allopathic system and realize that science alone will not meet all the complex needs of our patients. The scientific method has and will continue to be our primary source of knowledge. We will improve our understanding if we integrate other sources of knowledge into learning process. IM involves using the best possible treatments from both CAM (Complementary and Alternative Medicine) and allopathic medicine, based on patient's individual needs and conditions. CAM is not synonymous with IM. In the USA and Europe and Asia over the last few years, numerous conferences are held in IM. Also in the USA and Europe, many medical schools have organized various clinical and educational programs of IM. In USA made Consortium of Academic Health Centers for IM consists of leaders from a group of medical schools who meet annually to discuss ideas on how to foster the rational introduction of IM into medical education and practice. The delegations of 47 School of Medicine, very soon will organize to call for fundamental changes in the way physicians of the future are being trained. In particular, we mention *Educational Initiative in CAM* at Georgetown School of Medicine: (i) *Examples of Basic Science Integration* (Anatomy: anatomy of acupuncture, massage; Human Physiology: biofeedback, neuromuscular manipulation; Human Endocrinology: stress reduction via imagery, meditation, breathing; Neuroscience: mechanisms of acupuncture action; Immunology: psychoneuroimmunology; Pharmacology: botanicals, dietary supplements, herb-drug interactions); (ii) *Curricular Topics in Integrative Medicine* (Systems of medicine such as TCM, Ayurveda and homeopathy; Nutritional medicine including dietary supplements; Manipulative medicine such as osteopathic and chiropractic; Energy medicine; Botanical medicine; Mind-body therapies such as hypnosis, guided imagery and meditation; Physical activity-movement therapy; Functional medicine). Serbia created the legal basis for the development of IM, but there is a need to create institutions starting with the Ministry of Health, and Institutes for Integrative Medicine at the Medical Schools and serious training programs and also research programs. Also required is the implementation of such programs in primary care.

Keywords: *Integrative Medicine (IM), Complementary and Alternative Medicine (CAM), education, primary care*

DECOLONIZATION OF ALTERNATIVE MEDICINE

Vuk Stambolović

¹Retired Associate Professor, PhD, MD, Institute for Hygiene and Social Medicine,
Faculty of Medicine, University of Belgrade, Serbia

²Member, Committee for Regulation of Traditional Medicine, Serbian Ministry of Health
vukstambol@yahoo.com

Abstract. The relation of official and alternative medicine was changing according to the changes of socio-economic conditions. These changes, actually, have led the official medicine to colonize the alternative medicine. Nowadays, however, socio-economic conditions are enabling the process of decolonization. The decolonization of alternative medicine should be both professional and personal. Only merged those two aspects of decolonization could lead alternative medicine to quit the position of a minor, and official medicine to quit the position of an oppressive tutor.

Keywords: *official and alternative medicine: relations*

CRITICAL REVIEW ON THE POSITION OF TRADITIONAL MEDICINE IN SERBIA

Zlata Jovanovic Ignjatić

¹MD, Psychiatrist, BSc Homeopath, Certif. Acupuncture & Quantum medicine-MRT, Voll's diagnostics and therapy, Specialist Medical Practice, Belgrade, Serbia

²President, Acupuncture and Quantum Medicine Section, Serbian Medical Society

³Vicepresident & Co-founder, Int. Association for Promotion and Development of Quantum Medicine "Quanttes"

⁴Member, Committee for Regulation of Traditional Medicine, Serbian Ministry of Health

ordinacijadrzlata@yahoo.com

www.quanttes.org.rs

Abstract. Although the beginnings of the 20th and 21st century were characterized by two seemingly opposed kinds of medical sciences (the conventional medicine–CM and traditional medicine-TM), it is notable that CM, irrespective to its undoubtedly positive contribution, has had the tendency to look on the nature of illness only partially, thus ignoring the holistically oriented TM. However, numerous studies have shown that the majority of population surveyed had used some kind of TM, which means that there had been an integration of these two kinds of healing. The World Health Organization (WHO), by means of its policy "Health For Everyone Till 2000" as well as the resolutions adopted by the WHO and the regional committees' assemblies in Alma-Ata in 1978, sets as its primary task the program of TM's integration into conventional trends. So, WHO advises its members to formulate their national policy on TM, including evaluation of its practice and scientific audit of its efficiency and safety as well as enhancing of TM knowledge and skills; to educate and inform their communities about the proven TM methods. "2008 Beijing Declaration" was significant for promoting a safe and efficient application of TM. In accordance with the WHO recommendations, as well as the Serbian 2005 Law on Health Care and the 2007 Regulations, the area of TM has been defined. The Committee for TM, within the Serbian Ministry of Health, discusses and decides on the key issues regarding TM in Serbia. The emphasis is on associations, in terms of their responsibility for the good knowledge of their own members and for the respect they have to pay to the ethical and principles of good practice. Educational programs have been aligned with the licensed programs from the countries of their origin. They are carried out by the licensed lecturers or the copyright owners. Only the programs accredited by the Health Council of Serbia are run. Judging by the number of TM branches' school classes, TM education is nearing the specialist studies. In addition, there is an increasing need for the post doctorate education within medical and pharmaceutical studies, specialist studies as well as for the foundation of TM University. What also occurred as a big problem is the lack of the integration of the TM diagnosis and treatment into the CM protocols, as well as the problem of health insurance policy on refunding TM treatment expenses. The microwave resonance therapy (MRT), as a representative of the quantum medicine, despite of having a well formed educational basis, still does not have a firm position in an integrative health care system. In addition, it is still non-common neither in veterinary nor in the agricultural practice, although there are valid reasons for that (such as good effects in veterinarian therapy, biomass growth and plant germination).

Keywords: *integrative medicine, traditional medicine, holistic orientation, law regulations, microwave resonance therapy (MRT)*

TRADITIONAL MEDICINE IN SERBIA – EDUCATION

Slavica Arandjelović,¹ Zlata Jovanović Ignjatić²

¹MD, Certif. Acupuncture & Quantum medicine-MRT, Voll's diagnostics and therapy & Health Management; President & Co-founder, Int. Association for Promotion and Development of Quantum Medicine "Quanttes"; Vicepresident, Acupuncture and Quantum Medicine Section, Serbian Medical Society

<http://www.quanttes.org.rs>
quanttesukm@yahoo.com

²MD, Physiatriist, BSc Homeopath, Certif. Acupuncture & Quantum medicine-MRT, Voll's diagnostics and therapy, Specialist Medical Practice, Belgrade, Serbia;

Vicepresident & Co-founder, Int. Association for Promotion and Development of Quantum Medicine "Quanttes"; President, Acupuncture and Quantum Medicine Section, Serbian Medical Society; Member, Committee for Regulation of Traditional Medicine, Serbian Ministry of Health

<http://www.quanttes.org.rs>
quanttesukm@yahoo.com

Abstract. The National strategy on introduction of traditional medicine (TM) in the Serbian integrative health care is determined by the Law on Health Protection of the Republic of Serbia (2005), the Regulation on detailed conditions for the implementation of continuing education for health workers and co-workers (2007), and the Regulation on detailed conditions, mode and procedure for the performance of the methods and practices of traditional medicine (2007). The aim of the study is to show the legislation on educational development of traditional medicine and the possibilities of integration with Western (conventional) medicine. The overview of Integrative Medicine regarding education in Serbia was made by means of insight into the laws, sub-normative acts and regulations on TM and programs of various professional non-governmental associations and Serbian Medical Society. The provisions on education and performance methods and procedures of TM and new methodologies that rely on TM are governed by the Law and Regulations. The Health Council of the Ministry of Health of Serbia is regarded as the highest level Accreditation Board for accreditation process of the continuing postgraduate medical studies included in the medical staff education. The Education Regulation stipulates the schools establishment and organizing of expert meetings within the Association. The TM Commission of the Ministry of Health of the Republic of Serbia approved the educational plan that regulates the number of classes and programs for each method. The schools are organized in a form of basic courses, higher level courses, and authorized basic and higher level courses. The Commission on TM of the Ministry of Health of Serbia reviews the work permit applications. The work permit is signed by the Minister of Health. On the basis of this permission, a license that allows TM medical practice over the next seven years is issued by The Medical Chamber. The accredited schools are: Quantum medicine, Acupuncture, Homeopathy, Microwave resonance therapy, Bioresonance (IMEDIS, MORA), BETA analysis, Voll's diagnostics and therapy, Thermo-diagnostics, Lithotherapy.

Keywords: *traditional medicine, legislation, education, accredited schools, quantum medicine, acupuncture, homeopathy, work permits*

SEMINARS IN PRIMARY HEALTHCARE CENTER "STARI GRAD" BELGRADE: CASE STUDY OF LARGE-SCALE INTEGRATIVE MEDICINE HEALTHCARE COMMUNICATION

Mirjana Mićović

¹MD, Pediatricist, Reiki Master Teacher, PR Integrative Medicine,
Primary Healthcare Center "Stari Grad", Belgrade, Serbia

²Member, National Association for Improvement and Development of Regenerative Medicine, Serbia

³Co-founder, Health Festival Belgrade, Serbia

Abstract. Primary Healthcare Center "Stari Grad" Belgrade started with its regular open Seminars on Integrative medicine in the beginning of 2009 (<http://dzstarihrad.org/dom-zdravlja/index.php?s=44>), awarded the best non-profit Wellness program in Serbia 2009, with motto: „For quiet dreams on Belgrade’s river banks“. Lectures of numerous specialists from Serbia and abroad were dedicated to prevention and healthy life-styles, with numerous techniques and approaches of acupuncture-based and consciousness-based quantum-informational medicine included... We shall discuss wider social impacts of Seminars on Integrative medicine in Primary Healthcare Center "Stari Grad" Belgrade, as a case study of large scale healthcare communication...

Keywords: *Primary Healthcare Center "Stari Grad" Belgrade, case study, large-scale healthcare communication, integrative medicine*

HEALTH FESTIVAL BELGRADE: CASE STUDY OF LARGE-SCALE INTEGRATIVE MEDICINE HEALTHCARE COMMUNICATION

Mirjana Mićović,¹⁻³ Danijela Davidov-Kesar^{4,5}

¹MD, Pediatricist, Reiki Master Teacher, PR Integrative Medicine,
Primary Healthcare Center "Stari Grad", Belgrade, Serbia

²Member, National Association for Improvement and Development of Regenerative Medicine, Serbia

³Co-founder, Health Festival Belgrade, Serbia

⁴BA, Healthcare Journalist, Politika Newspaper, Belgrade, Serbia

⁵Co-founder, Health Festival Belgrade, Serbia

ddavidov@politika.rs

Abstract. Health Festival Belgrade (www.festival-zdravlja.com) started in April 2010 and is organized twice a year, as spring and autumn manifestation, in organization of National Association for Improvement and Development of Regenerative Medicine (www.naurrm.org). Moto of Health Festival Belgrade is „Wake up! Think about your health“, and great part of contents and lectures is dedicated to prevention and healthy life-styles, with special attention to mental health. Festival has wide social and media support, and became recognized brand of Serbian capital, being visited by more than 10,000 people in a few days. In the framework of festival a numerous lectures of specialists from Serbia and abroad are organized. Many primary healthcare centers, private medical practices, hospitals, pharmacies, pharmaceutical producers, fitness, wellness and spa centers, ethno villages, everybody dealing with healthy nutrition, conventional and alternative medicine, are participating in the festival. We shall discuss wider social impacts of Health Festival Belgrade, as a case study of large scale healthcare communication...

Keywords: *Health Festival Belgrade, case study, large-scale healthcare communication, integrative medicine*

**TV SERIAL AGAPE: CASE STUDY
OF MEDIA COMMUNICATION ACROSS AND BEYOND DISCIPLINES**

Aleksandar Gajšek,¹ Vladeta Jerotić^{2,3}

¹TV Journalist, BA, RTV Studio B, Belgrade, Serbia
aleksandar.gajsek@gmail.com
www.studiob.rs/tv

²Academician, Serbian Academy of Sciences and Arts, Belgrade, Serbia

³Retired Professor, MD, Neuropsychiatrist, Orthodox Theology Faculty, University of Belgrade, Serbia

Abstract. TV serial Agape started in October 2005 on RTV Studio B in Belgrade, by exclusive interview with late Serbian patriarch Pavle, and then continued by permanent guest, academician Vladeta Jerotić. Global theme is „Contemporary society and religion“, while subthemes are meaning, faith, marriage, family, pedagogy, media, love, narcomania, suicide, faith and disease, faith and nation, woman and man, dreams, life and death, magic and mystics, creativity... It is our wish to show that Christianity is not old-fashioned, and that it can be very useful to modern man suffering of identity crisis, to find meaning and truth. This TV serial is not dedicated exclusively to high-educated persons but to everybody interested to raise basic philosophical, religious, and existential questions: who am I, what is the meaning of my life, where am I going to... We shall discuss wider social impacts of TV serial Agape, as a case study for media communication across and beyond disciplines...

Keywords: *TV serial Agape, case study, media communication, society and religion, across and beyond disciplines*

**THE INTERFAITH DIALOGUE SERBIA – INDONESIA 2011,
POSITIVE EXPERIENCE IN SERBIA’S STATE POLICY**

Aleksandar Raković

PhD Historian, Ministry of Religion, Republic of Serbia,
Coordinator of the First Interfaith Dialogue Serbia – Indonesia
rakovic@gmail.com

ABSTRACT. In this paper are presented results of the First Interfaith Dialogue Serbia – Indonesia (Belgrade, 7–9 April 2011), the biggest ever interreligious meeting Serbia or Yugoslavia ever held on state level with foreign countries. The Republic of Serbia is a secular state, while The Republic of Indonesia is a “religious” state (but not a theocratic state). In the First Interfaith Dialogue Serbia – Indonesia participated: government and ministry officials, ambassadors, the highest religious leaders and theologians (Orthodox Christians, Roman Catholic Christians, Protestant Christians, Muslims, Hinduists and Judaists), university professors and other scholars. The First Interfaith Dialogue Serbia – Indonesia consisted from: interreligious conference, bilateral meetings, cooperation between universities and faculties of Serbia and Indonesia. The First Interfaith Dialogue Serbia – Indonesia gave the new, but very important level in Serbia’s state cooperation with foreign countries.

Keywords: *Serbia, Indonesia, interfaith dialogue, bilateral dialogue, theology, religion.*

SESSION C4

FREE WILL IN A QUANTUM CONTEXT

Miroljub Dugić,¹ Jasmina Jeknić-Dugić²

¹Professor, PhD Physicist, BS, Department of Physics,
Faculty of Science, University of Kragujevac, Serbia
dugic@open.telekom.rs

²Assistant Professor, PhD Physicist, BS, Department of Physics,
Faculty of Science and Mathematics, University of Niš, Serbia
jjeknic@pmf.ni.ac.rs

Abstract. Typically, *free will* is a philosophical and theological an issue. Modern cosmology also tempts to say its word in this regard. In this paper we point out that ‘free will’ is of interest for interpretation of quantum mechanics as a universally valid physical (nonrelativistic) theory. Our aim is not to quantify free will – this is an issue of modern quantum information theory. Our aim is to emphasize some consequences of the traditionally (perhaps somewhat superficially) understood free will in the context of a new, emerging interpretation of quantum mechanics.

Keywords: *Free will, interpretation of quantum mechanics*

**SIXTY: „NUMBERS ARE LETTERS BY WHICH THE UNIVERSE IS BUILT“
Classical-quantum and information physics approach to life and medicine**

Djuro Koruga

Professor, PhD Biomed Engin, BEME, Head, NanoLab, Department of Biomedical Engineering,
Faculty of Mechanical Engineering, University of Belgrade, Serbia
dkoruga@mas.bg.ac.rs

Abstract. In this paper serendipity event is presented, which highlights Galileo's number importance: numbers are letters by which the Universe is built. In our case the simulative effect of the number sixty importance comes from contemporary science: nanotechnology of carbon materials with sixty atoms and molecular structure of clathrin in our brain. However, we found out that roots of number sixty lie hidden in thought of ancient civilization. Moreover, in some way sixty is the part of light ($c=\lambda \times \nu$) as ratio of spatio-temporal unity through wavelength (λ in *nm*) and frequency (ν in THz). If we use model of light, of both classical and quantum properties, as model of an existence (life) – then embryogenesis (as the primary quantum process) presents information processing which makes set up of events (with different probabilities) for a life after birth. Which one of these events will happen depends on probability of events in classical information processing during life. Classical and quantum probabilities are complements and compatible to each other. In everyday life this complex manifestation is given as our behavior based on interaction of real-imaginary and rational-irrational pairs dynamics (logic square of our fingerprint).

Keywords: *sixty, ancient civilization, light, molecule C₆₀, clathrin, quantum information processing, embryogenesis, medicine, life*

THE UNIVERSAL CODE AS A REALITY OF HOLISM

Miloje M. Rakočević

Retired Professor, PhD, BS Chemistry, Department of Chemistry,
Faculty of Science, University of Niš, Serbia

milemirkov@open.telekom.rs

www.rakocevcode.rs

Abstract. From ancient times it was thought that the codes and conventions are the basis of all cultural phenomena, and they have divided the world culture from the world of nature. The nature is governed by objective immutable laws, whereas the culture is produced by mutable conventions of the human mind. However, the discovery of the genetic code in the early 1960s, like a bolt from the blue, shown that the barrier between nature and culture does not exist. It turned out that the genetic code, in its essence, is a metaphor, a secondary structure such as a computer program which allows us to represent the physical and chemical properties of molecules writing only the binary numbers. In my researches of the genetic code, from early 1980s until now, I understood coding process as a correspondence between two systems, one realistic and second symbolic. Thus, the genetic code as well as periodic system of chemical elements appears to be only the aspects of a universal code which structure and composition is determined by the best possible symmetry, harmony and proportion. Later I viewed that the possible aspects of such a universal code can be found among the creations of the human mind, as there are examples of poetic structures and compositions of classical literature (Homer, Dante, Shakespeare, Goethe, Pushkin, Njegosh, Tolstoy ...); then the structure of Bible, I Ching and so on. In recent times I see that so-and-such universal code is noting else than the reality of a possible holism, which connection is just the subject of this communication.

Keywords: *code, convention, genetic code, universal code, holism, culture, nature, metaphor, symbolic system, symmetry, harmony, proportion, poetic structures, human mind, classical literature, Bible, I Ching*

ONTOGENETIC AND PSYCHOGENETIC INSIGHT INTO THE TRADITIONAL CHAKRAS DOCTRINE

Ljubo M. Ristovski,^{1,2} Gordana S. Davidović-Ristovski^{1,3}

¹ Association for Promotion of Bioenergetic Medicine "Biofield", Belgrade, Serbia

² Retired Professor, PhD Physicist, BS, Faculty of Pharmacy, University of Belgrade, Serbia

³ Retired Professor, PhD Physicist, BS, Faculty of Physics, University of Belgrade, Serbia
ristovski11000@yahoo.com

Abstract. As it should be expected, the doctrinal theories of traditional medicine obviously belong to the domain of metascience (metaphysics). It means that they are based on revealed truths, which are necessarily expressed by an symbolic and metaphoric language. On the other hand, scientific theories are based on perceived truths, which are expressed by the language, which necessarily excludes the metaphors and symbols. Therefore, symbolic statements, as well as revealed truth, *per definitionem* cannot be expressed in a rational way, i.e. metascientific content can not be fully expressed in a scientific manner. The aim of this paper is not to translate the traditional (metaphysical) Chakras doctrine into the language of science, but to point out that in that teaching exist the contents which can be scientific interpreted. Namely, Chakras teaching, could survive for so long, only because the practice findings supports it. The traditional medicine practice can not be always explained in a scientific way, but it can not be completely ignored, if they have survived for centuries and millennia, as it is case with Chakras teaching. Specifically, as it will be pointed in this paper, the scientific knowledge about the human ontogenesis and psychogenesis, can be unambiguously associated with the empirically established findings, which are implicitly included in the Chakras teaching. In addition, based on this correspondence, it is possible to come up to the concept of a psychogenetic explanation of (so called) opening and balancing of chakras. Finally, there are serious indications that the process of opening the chakras can be closely linked to psychiatric regression analysis.

Keywords: *ontogenesis, psychogenesis, chakra, metascientific, scientific, doctrine, symbolic language, revealed truth, gnosis*

REFLEXOLOGY

Drago Djordjević,¹ Dušanka Mandić²

¹ Assistant Professor, PhD, MD, Institute of Pathological Physiology, Faculty of Medicine,
University of Belgrade, Serbia
dragodj@med.bg.ac.rs

² PhD, MD, MADU Clinic, Belgrade, Serbia
www.madumagnet.rs
mandic.r@sbb.rs

Abstract. Reflexology is a science dealing with mechanisms of origin, development and acting of every kind of reflexes on the all levels of ontophylogenesis. It is interdisciplinary branch of biology, which has its subject, branches, sub-branches, principles, conditions and mechanisms. The subject of reflexology is research on all levels of ontophylogenesis: principles of functioning, mechanisms of origin, development and acting, as well as influence of all kinds of reflexes from the simplest to the most complex. Basic fields of reflexology are: medical reflexology, dentistry (dental) reflexology, veterinary reflexology, animal (zoo) reflexology, and fitoreflexology. Basic branches of reflexology are: reflexodiagnostics, reflexotherapy, reflexoprophylaxis, and reflexoergonomics. Basic methods of reflexology are: physioreflexology, hemioreflexology, and bioreflexology. Basic principles of reflexology are: holographic or quantum-holographic [Tao (holistic) conception or conception of unique wholeness], circulation of energy [meridian's (*Jing-Luo*) conception or conception of acupuncture channels (reflexogenic meridians)], ontophylogenetic (*Haeckel's law*), rhythmic functioning, self-regulation of the body systems, reverberation links (energetics and other influences), action-reaction, reflexogenic aferentation (conditional-unconditional reflex)... In Western medicine, reflexology is a treatment modality which employs only manual pressure to specific areas of the body, usually the feet and the hands, which are thought to correspond to internal organs, in order to generate positive health effects. However, in Eastern medicine and nowadays appearing Integrative medicine, reflexology is an application of any treatment modality on reflexogenic zones, reflexogenic points or reflexogenic meridians (e.g. digitopressure, acupressure, acupuncture, laseropuncture, magnetopuncture, magnetic hammer, moxibustion, cupping, etc.). In this holistic framework, each organism is considered as (quantum-holographic) unique wholeness whose health status is manifested by reflexogenic (acupuncture) zones and their (acupuncture) points, linked in paths of reflexogenic (acupuncture) meridians. Reflexogenic zones are exteroceptive projections of internal organs on the skin (head, nose, ears, palms, feet), mucous membrane (endonasal, gums, tongue) and iris. Reflexogenic points are locations in which is occurring energy exchange (transformation) with external environment according to the principle of functioning of "body channels" or reflexogenic meridians. Through reflexogenic points as mirrors of the organ status or some individual function, one can regulate disturbed energetic equilibrium between some of organs and body parts, also between wholeness of organism as mikrocosmos and its environment, macrocosmos. Morphofunctional basis of reflexogenic zones, points and meridians is ontophylogenetic linkage of internal organs and all systems in organisms with the most ancient energy-informational system, which is composed of the gap junction channels network.

Keywords: *quantum-holographic unique wholeness, ontophylogenesis, exteroceptive projection, reflexogenic zones, reflexogenic points, reflexogenic meridians, energy-informational system, gap junction channels network*

MADU MAGNETOTHERAPY

Dužanka Mandić,¹ Drago Djordjević²

¹ PhD, MD, MADU Clinic, Belgrade, Serbia

www.madumagnet.rs

mandic.r@sbb.rs

² Assistant Professor, PhD, MD, Institute of Pathological Physiology,

Faculty of Medicine, University of Belgrade, Serbia

dragodj@med.bg.ac.rs

Abstract. The ancient energy-informational holistic knowledge, as reflexology, acupuncture, ajur veda, tibetan medicine, korean medicine, is very useful in control of opening gap junction channels - prainformative centers in the organisms. The knowledge accumulated through the centuries of the human history is explained and scientifically approved in the 1980s. The subtle influence of the permanent magnetic field, oriented by the North pole to the body surface, belongs to this quantum-informational holistic practice: It increases and improves physiological processes and thus stimulates regenerative processes. One of contemporary novelties in medicine, based on the above ancient techniques, is the new health technology which includes application of “Trap for shell fragments” patented 1995 and “MADU strips” (MAGnetic Deep Unipolar oriented field) patented 2000 by D. Mandic, and acclaimed as the new health technology in 2007 by Serbian Ministry of Health. This kind of therapy represents new medical technology, subtle, holistic, noninvasive, quantum-informational, complementary to acupuncturology and other traditional medicine methods, and could be applied as additional therapy together with contemporary medical procedures. It is ecological friendly and long lasting, applicable in hospitals, outpatient units, and even in the field therapy conditions. Having in mind the experience gathered and its effects on local and global level, this type of magnetotherapy belongs to the future.

Keywords: *medicine, quantum-informational medicine, magnetic fields, MADU method, gap junctions, regeneration*

CHIROPRACTIC AND HOLISTIC APPROACH TO HEALTH

Petar Dinic

¹MS, MD, DC, B CAO, Private Medical and Chiropractic Practice „Life“, Belgrade, Serbia

²President & Founder, Serbian Chiropractic Association, Serbia

<http://hiopraktor.com/index.html>

npdinich@yahoo.com

Abstract. Chiropractic was established in 1895 in the USA, when Daniel David Palmer, who was spiritual and energy healer, made first adjustment of the spine with the new method which was called chiropractic. Today chiropractic is one of the leading alternative or complementary methods of healing in the world. In more than 20 schools and Universities only in the USA and much more in other countries around the world, students are learning (during 5 years of studies), about the philosophy, science and art of chiropractic adjustments. The main focus of chiropractic is spine (back pain, neck pain, headaches) and pain that has sceleto-neuro-musculoskeletal origin, but often chiropractic can help those who have also other health problems. Three major philosophical principles of chiropractic are: vitalism, holism, and naturalism. Vitalistic principle in chiropractic assumes existence of Vital force, which in chiropractic we called *Innate Intelligence* (similar to Qi in Chinese medicine). Innate Intelligence or “innate” as a part of *Universal Intelligence* is acting mainly through the nervous system, creating the state of health or disease. We are all created to be healthy (not sic) and to have joyful and happy life and the only thing that can interfere with this is *misalignment* or “subluxation” which block the free flow of innate - nerve impulses (energy and vibrations), which put body in state of *dysfunction* and consequently disease, which is followed at the end with the symptoms. By definition and philosophy most conventional medical doctors (practicing allopathic medicine) tend to view good health primarily as a physical state where there is no obvious disease present. In contrast, chiropractic doctors, recognize true health as the optimal state of physical, mental, emotional and spiritual well-being. Holistic principles of chiropractic therefore require from us to look at the *whole person* and not only on its symptoms, which last comes and first goes away. Naturalistic principle of chiropractic is saying that: “Only the power that creates us can heal us”. Therefore, we have to look for more natural ways of treatment, without depending heavily on drugs and surgery. With more holistic and less materialistic-mechanistic approach to health, chiropractic is looking forward to share her holistic insights with other quantum-holistic methods, looking for better understanding and explanations of some “intangible” phenomena, such as Innate Intelligence, that she has often hard time explaining by paradigm of classical science. Chiropractic innately knows that quantum-informational medicine with consciousness based holistic approach, as well as energy-vibration medicine and mind-body approach, has paramount importance for bringing us that missing link and opening the door for better understanding of the real cause of the disease process, from non-physical perspective and out of *limited reality* that classical mechanistic scientific paradigm offers. In some near future this can brings us closer to the *source* of all diseases and helps us to understanding better: “Who we are and Why we are here”? This can provide us than with new tools for healing our individual and collective consciousness and re-connecting with our true self, nature, God and whole Universe. Better understanding of our consciousness, spirit (life force – innate), and soul, as the part of the brain and/or body experience, or as our “*extended self*” (aura, unified field of energy and vibration), will strengthen our quest for meaning and complement our mature spirituality. It is for us to hope that this quest will ultimately bring us transformative insights for better health and for the birth of a *new wisdom*.

Keywords: *chiropractic, health, Innate Intelligence, Universal Intelligence, holism, limited reality, extended self*

THE ANALYSIS OF BIOLOGICAL SIGNALS AND GENETICALLY DETERMINED FUNCTION OF AUTONOMIC NERVOUS SYSTEM

**Branislav Milovanović MD PhD Prof Chief & Founder,^{1,2} Vera Radivojević MD,¹
Slavica Mutavdžin MD,¹ Bojan Milovanović MD,¹ Tatjana Krajnović MD¹**

¹Neurocardiological Laboratory, Cardiology Department,
University Clinical Center Bezanijska Kosa, Medical Faculty, University of Belgrade, Serbia

²Society for Neurocardiology of Serbia

branislav_milovanovic@vektor.net

Abstract. It is very known fact that according to some new studies hypertension and resting heart rate are genetically determined. According to some studies heart rate variability is the constant related to type of autonomic pattern. Owing to this fact that function of autonomic nervous system is constant, the treatment of diseases could be evaluated using different groups related to type of dysfunction. This is the first but very important step in the development of general principles of personalised medicine. In order to reveal right type of autonomic disorder we used short and long term of HRV analysis with special Ansa Scan Software. A comprehensive study protocol was done including finger blood pressure variability (BPV) and heart rate variability (HRV) beat-to-beat analysis and nonlinear analysis, 24-hour Holter ECG monitoring with QT and HRV analysis, 24-hour blood pressure (BP) monitoring with systolic and diastolic BPV analysis, cardiovascular autonomic reflex tests, cold pressure test, and mental stress test. The patients were also divided into sympathetic and parasympathetic groups, depending on predominance in short term and long term spectral analysis. In the second level of treatment of patients, we used drugs which are in complementary relationship to the type of autonomic pattern.

Keywords: *autonomic nervous system, biosignal processing, sympatho-vagal polarity, genetic aspects*

NEW NANOTECHNOLOGIES FOR BRAIN STIMULATION AND IMAGING

Gordana Vitaliano,¹ Franco Vitaliano²

¹MD, MSc Psychiatrist, Department of Psychiatry, McLean Hospital, Harvard Medical School, Belmont, USA
gvitaliano@mclean.harvard.edu

²BEEE, Director & Founder, EXQOR Technologies Inc, Boston, USA
mindwaves@vxm.com

Abstract. Intermolecular multiple quantum coherence "iMQC" methods have been used to enhance the contrast of conventional Magnetic Resonance Imaging (MRI) and improve its resolution. It has been shown that MR images based on detection of iMQC (e.g., zero-quantum iZQC and double-quantum iDQC) give tumor enhancement in rat brains and novel contrast in human brain imaging. Intermolecular double quantum coherences (iDQC) correspond to simultaneously flipping two water spins in the *same* direction, while intermolecular zero-quantum coherences (iZQC) correspond to simultaneously flipping two water spins in the *opposite* direction on distant molecules. Dipolar couplings of proton spins in two water molecules separated by distances ranging from 10 microns to one millimeter can yield detectable MRI signals in the brain. Thus, this MRI method provides clear evidence the wet and thermally noisy brain can support detectable quantum coherence. However, externally induced quantum coherence has never been used for treatment of brain diseases. Currently used brain stimulation techniques (e.g., ECT, TMS, VNS, DBS) cannot stimulate specific subcellular neuronal structures that are implicated in brain diseases. We are developing a new noninvasive method to produce quantum coherence in specific neurons in vivo via bio-nanoparticles with encapsulated hyperpolarized noble gases and/or ¹³C-elements. By inducing quantum coherence in "diseased" neurons our method will enable neurons to simultaneously sample all the potential energy pathways and choose the most efficient one, meaning they can retreat from wrong "diseased" pathways to the healthy one. Our nanopatform uses the natural protein clathrin that is present in every cell. Clathrin was modified to carry C13 and C14, plus targeted ligands. We showed that Clathrin-nanopatform could non-invasively cross the blood brain barrier and target specific brain cells (e.g., dopaminergic neurons). We plan to apply iMQC methods with hyperpolarized C13-clathrin nanoparticles to further show that sustainable quantum coherence in specific neurons is feasible via nanoparticle-induced spin-spin coupling in vivo. These bio-nanoparticles could be used to exploit brain quantum mechanical effects for both diagnostic and treatment purposes. Quantum sensors could be developed for detecting various brain diseases, and also in analyzing genotypes, phenotypes, metabolic actions and states, and different cell types and proteins. This new quantum cognitive processing sensor could also be developed to instantly comprehend chaotic, ambiguous situations, sort and classify their component elements, and use its intelligence as a means to adapt and develop new diagnostic and treatment capabilities for different CNS diseases.

Keywords: *nanoparticles, hyperpolarized 13C-clathrin, MRI, intermolecular multiple quantum coherences, brain stimulation*

CONSCIOUSNESS-BASED HOLISTIC ORIENTED APPROACHES TO PSYCHOTHERAPY

Snežana Milenković

¹ Professor, PhD Clinical Psychologist, Department of Psychology,
Faculty of Philosophy, University of Novi Sad, Serbia

² EU Certified Psychotherapist, President & Founder, Serbian Society for Integrative Art Psychotherapy
nenam@eunet.rs

Abstract. Discussed here is creative challenge faced by the new profession of psychotherapy in a new millenium. Creation of consciousness-based holistic spiritual/transpersonal psychotherapy without ego is that challenge. It means basically the transformation of consciousness, of the inner feeling of one's own existence, as well as the release of the individual from all kinds of conditioning imposed upon one's by society. It's characterised by transformation, self-transcendence, and expanded consciousness in which treatment is targeted primarily to the spiritual/transpersonal dimension.

Keywords: *Integrative Art Psychotherapy, art, creativity, image, authenticity*

SCIENCE AND BODY PSYNTESIS HOLISTIC APPROACHES

Ljiljana Klisić,^{1,2} Anja Djordjević³

with

Ana Ristović,⁴ Nebojsa Milićević,⁴ Sladjana Djordjević,⁴ Jelisaveta Rogošić,⁴ Biljana Jokić,⁴
Maja Lekić,⁴ Saša Bogdanović,⁴ Elena Kuzmanović,⁴ Nikola Djordjević⁴

¹ Professor, PhD Medical psychotherapist & psychologist, BA Clinical psychologist, European University, Belgrade, Serbia

² EU Certified Psychotherapist, President & Founder, Serbian Association for Body Psychotherapy
www.tepsyntesis.org.rs
eklisc@sezampro.rs

³ BA Adult education, Member, Serbian Association for Body Psychotherapy

⁴ Members, Serbian Association for Body Psychotherapy

Abstract. In TePsyntesis Body Psychotherapy Training school there is lot of research with aim to *measure the effects*. Results show its applicability in dealing with psychological problems as well as with psychosomatic disorders. Finally, we strongly support *research in psychotherapy and personal growth* approaches, but at the same time we point out needs for their evaluations by scientific methods.

Keywords: *Consciousness-based holistic approaches & techniques, Body-Psychotherapy, TePsyntesis*

**SELF-REINTEGRATION, AN QUANTUM-BASED ENERGY (PSYCHO)THERAPY,
FOR THE TRANSCENDENCE OF DUALITY***

Paula Márcia Ferreira Baccelli Reis

BA Clinical Psychologist, Private Psychotherapy Practice, Uberlândia, MG, Brasil

www.espacodaalma.blogspot.com

www.euvceuniverso.com.br

Abstract. The author presents a new therapeutic technique, which fits in what are called Energy (Psycho) Therapies or Meridian (Psycho)Therapies. Based on scientific studies by various authors and her own clinical experience, author discusses the new paradigm of science, which accepts the consciousness as the creator of matter and its importance to a renewal in the way we think about health and illness, the various states of consciousness with which we are affecting and being affected constantly, and the duality of mind that is characteristic of all quantum objects and responsible for various fragmentations of the human psyche or mental creations.

Keywords: *energy (psycho)therapies, meridian (psycho)therapies, duality, paradigm, self, reintegration, fragmentation, mental creations*

* *In absence*

**QUANTUM INFORMATION SELF-ORGANIZATION AND CONSCIOUSNESS:
A HOLOINFORMATIONAL MODEL OF CONSCIOUSNESS
Homage to Sir John Eccles, Nobel Prize in Medicine***

Francisco Di Biase

¹Professor, Grand PhD, MD, World Information Distributed University, Belgium

²Honorary Professor, Albert Schweitzer International University, Switzerland

³Professor, Post-Graduation Dept., UGB Universidade Geraldo Di Biase - Volta Redonda, Rio, Brasil

⁴Department of Neurosurgery-Neurology and Computed Tomography, Santa Casa Hospital, Rio

⁵Department of Electroencephalography and Brain Mapping, Clínica Di Biase, Rio de Janeiro, Brasil
dibiase@terra.com.br

Abstract. The author proposes a holoinformational view of consciousness based on the holonomic theory of brain function and quantum brain dynamics developed by Karl Pribram, Sir John Eccles, Hameroff, Jibu and Yasue, and on the quantum-holographic and holomovement theory of David Bohm. This conceptual framework is integrated into the non-local information property of the Quantum Field Theory of Umesawa, to the concept of negentropy, order, and organization developed by Shannon, Wiener, Szilard and Brillouin, and to the theories of self-organization and complexity of Prigogine, Atlan, Jantsch and Kauffman. Wheeler's "it from bit" concept of a *participatory* universe, and the developments of the physics of information made by Zurek and others with the concepts of statistical entropy and algorithmic entropy, related to the number of bits being processed in the mind of the observer, are also considered. This new synthesis gives a self-organizing quantum non-local informational basis for a new model of consciousness in a participatory universe. In this synthesis, consciousness is conceived as a meaningful quantum non-local information interconnecting the brain and the cosmos, by a holoinformational field (a field at the same time non-local holistic (quantum) and local (Newtonian)). We propose that we are this very non-local quantum-holographic cosmos that manifests itself through our consciousness, interconnecting in a participatory holistic and indivisible way the human brain to all levels of the self-organizing holographic multiverse.

Keywords: *holoinformational model of consciousness, quantum information, non-locality, self-organization, medicine, transpersonal psychology*

* *In absence*

QUANTUM-HOLOGRAPHIC ENERGY SYSTEM & RESONANCE BIOFEEDBACK*

Bjørn J Øverbye

PhD, MD, Therap. Acupuncture, Magnetotherapy, Energy medicine,
Arendal Helsecenter, Arendal, Norway
bjorn@dr-overbye.no

Abstract. According to the recent theory by professor Dejan Raković, the human mind-body system is constructed in such a manner as to produce vibratory electromagnetic energy patterns that add up to a holographic field that can be described by quantum mechanical formalism. This is also in accord with practical experience of the author who for 10 years has used electro-acupuncture and resonance-biofeedback to diagnose and treat diseases. Our technical equipment shows us that the information system of the human body is arranged as a hierarchical holographic system that is reflected in the electrical activity of the meridians and in frequency patterns in organs and tissues. This paper investigates an important aspect of the quantum holographic information system: the self-regulatory, quantum level, vibratory signals-system known as the meridians. It also investigates their fractal nature known as the ECIWO principle (Embryo Contained in the Whole Organism). The quantum nature of the system is reflected in the fact that the human bio-energy system reacts to ultra weak energies either taken from the body itself that are weaker than the -120dB noise-level of our technical equipment; and from radiation from substances and homoeopathic dilutions!

Keywords: *quantum-holographic body-mind energy system, ECIWO, resonance biofeedback, energy medicine*

* *In absence*

**APPLICATION OF ELECTROPHOTON CAPTURE (EPC) ANALYSIS BASED ON
GAS DISCHARGE VISUALIZATION (GDV) TECHNIQUE IN MEDICINE:
A SYSTEMATIC REVIEW***

Konstantin G. Korotkov,¹ Dmitrij V. Orlov,² Bernard O. Williams³

¹ Professor, PhD Physics, St Petersburg State University of Information Technologies, Mechanics and Optics, Russia
President, Founder, International Union for Medical & Applied Bioelectrography

<http://www.korotkov.org>

kk@korotkov.org

² Assistant, BS Physics, St Petersburg State University of Information Technologies, Mechanics and Optics, Russia

³ Dean, Professor, PhD, BA, Energy Medicine University, Sausalito CA, USA

President, Center for Environmental Energy Medicine Studies, Lawrence KA, USA

<http://energymedicineuniversity.org>

bermeyw@ku.edu

Abstract. We present the literature search regarding ElectroPhoton Capture (EPC) analysis based on the Gas Discharge Visualization (GDV) technique in conventional medicine, psycho-physiology, alternative medicine and research studies. Systematic review has revealed that EPC/GDV method is being used in many different applications in these fields of study and shows excellent or very good results, having already found diverse correlations between EPC/GDV parameters and various medical, psychological and physiological parameters in humans. The investigations showed that the GDV-method delivers valuable holistic diagnostic information on the functional state of patients, allows monitoring their state and constitutes a convenient and easy holistic method for conducting preventive examinations of individuals, professional training and control in various areas of application.

Keywords: *ElectroPhoton Capture (EPC) analysis, Gas Discharge Visualization (GDV) technique, holistic diagnostics, literature search, systematic review*

* *In absence*



Dr. Dino Karabeg
Associate Professor, University of Oslo, Norway
www.knowledgefederation.org dino@ifi.uio.no
Dr. Dejan Raković
Professor, University of Belgrade, Serbia
www.dejanrakovic.com rakovicd@etf.rs
tel +381 11 318 5320 and +381 64 127 0237

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Workshop by Associate Professor Dino Karabeg and Professor Dejan Raković

Join us for a special event – Knowledge Federation Dialog Belgrade 2011. Imagine a world where the insights and methods of quantum medicine are integrated in mainstream healthcare; and where the experiences and the wisdom of healing and spiritual traditions are allowed to inform the conventional lifestyle and culture. What can we do to help this natural and needed development become reality? In Knowledge Federation we have turned this question into a collection of collaborative strategy games. We create projects that are game-changing, each in its own domain, and we provide just enough structure to allow individual contributions to add up to a shared goal, which is characteristically a change of practice. So, the strategy behind our Tesla and the Nature of Creativity (TNC) project may be understood by analogy with the way how large improvements to legal practice are commonly made in the US and Canada (an example is the court case that tobacco industry lost recently at the Supreme Court of Canada): a certain specific law suit is carefully prepared and taken all the way to Supreme Court. In the TNC project (http://www.knowledgefederation.org/TNC_Prototype) we develop a case for quantum medicine and the corresponding worldview by focusing on a specific academic result – Dejan Raković’s model where quantum-informational medicine is used to explain the ‘deep creative insight’ – a phenomenon manifested in unusually high degree by inventor Nikola Tesla. Around Raković’s result we develop a complete methodology and infrastructure by which an academic result from any specialized area (here quantum-informational medicine) may be

- explained in terms that are accessible to general public,
- expressed as an idea in an idea graph and made available online for everyone to comment and work with,
- linked with other related ideas and results,
- developed into general insights that can inform policy- and lifestyle change,
- brought to the attention of academic and other communities where it may have large impact,
- brought to the attention of the media and the public,

or in one word, we are developing a method by which an academic result may be *federated*. As participant in this workshop you will be invited to give your creative contribution to the TNC project. The dialog technique we will be using is an adaptation of the dialog technique developed by physicist David Bohm; we loosen the usual academic constraints on discourse and allow our human voices and our lived experiences to shine through. The authentic anecdotal material that will be contributed in this way will be an asset in our undertaking to make a good case for the media and the public. At the same time, this less constrained and more personal meeting will help us augment our own sense of reality and purpose; and it will also strengthen our personal ties and community.

Prof. Dr. Dino Karabeg is Associate professor at the Institute of Informatics, University of Oslo, Norway. Since 1995 he has been developing an approach to put systemically suitable knowledge work into practice, through an international community and project called Knowledge Federation.

Prof. Dr. Dejan Raković is Professor at the Faculty of Electrical Engineering, University of Belgrade, Serbia. Since early 1990ies he has been developing a quantum-informational framework for consciousness and acupuncture, with significant psychosomatic-cognitive implications.