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THE LATEST CHAPTERS OF PHYSICS

SCIENCE CONFERENCE AND WORKSHOP

BUDAPEST, 15-16 NOVEMBER, 2005

Programme

István Héjjas PhD.
Engineer, economic vice-director of the LSI Educational Center of Informatics and lecturer at Gábor Dénes College on Informatics, Budapest
Title: Unanswered questions in modern physics
Abstract: The presentation will show, how the seemingly consistent and unified worldview of classical physics leaded to the inconsistent logic of modern theories. The presentation will include such peripheral subjects like parapsychology and its related phenomena.

György Egely PhD.
György Egely is a well known expert and researcher of paraphenomena in Hungary.
Title: Untouched territories in classical physics
Abstract: Classical physics—on which today's technological age is based—reached its crystallised form in the 19th century, and its logical structure has not changed so much since then. But because of the technological developments, the measurement methods have undergone great developments during the last 100 years, too. These new data, gained by the new measurement techniques, on the other hand were not accepted by the physicist community. These findings include the followings:
1. Magneto-gravitation
2. Longitudinal and torsion waves
3. Magnetic monopoles and magnetic currents
4. Defects in the conservation principles – time travel
5. Measuring vacuum or ether energy
6. Hyperspace – higher dimensional phenomenons

These unconquered territories are much bigger than the known ones, and because of this, their study could have caused more development in our standard of living.

Péter Molnár MD., Zoltán Vass MD.

Semmelweis University, Faculty of Physical Training, Budapest

Title: How new forms arise in either real or developmental time.

Abstract: We approach the **mystery of human development** with the conviction that the acquisition of mental life is continuous with all biological growth of form and function. Because humans can perform so many special activities, it is easy to think of our ontogeny as special. What we argue in this lecture is that while the **endpoints** of human development are **complex and unique, the process** by which we reach those endpoints **are the same** as those govern development in even simple organisms, and to some degree, even in complex, nonliving systems. The central question is how complex systems, including developing humans produce patterns that evolving in time. These are **principles of nonlinear dynamic systems**, and they concern problems of emergent order and complexity: how structure and patterns arise from the **cooperation of many individual parts.**

John S. Hagelin PhD.

Kibbly awarded world renowned quantum physicist, developer of the supersymmetric Flipped SU(5) theory. At present Dr. Hagelin is a Professor of Physics and Director of the Institute of Science, Technology and Public Policy at Maharishi University of Management, and Minister of Science and Technology of the Global Country of World Peace.

Title: The foundations of consciousness physics in the light of modern theoretical physics.

Abstract: In the first part of his lecture Dr. Hagelin will give a detailed introduction to the unified theories of modern theoretical physics, and the viewpoint of reality from the perspective of these theories. In the second part Dr. Hagelin will talk about the possible applications of consciousness technologies.

István Dienes

(Institute for Strategic Research)

Title: Basic approaches for the creation of the physics of consciousness: the consciousness-holomatrix hypothesis (logical M-theory)

Abstract: We will analyse and count those approaches, which are needed for the development and creation of the physics of consciousness. After the enumeration of these subjects, we will point out, that the creation of the physics of consciousness basically means the analysis and understanding of the logical structure of the mind, and the dynamic modelling of its structural formation, maintenance and change. Because this dynamism—from the inner structural point of view—shows a holographical and matrix structure, it is possible for us to formulate a consciousness-holomatrix hypothesis, which forms the basis of the development of a logical M-theory.

Ildikó Visegrádi, MSC, MDA

Institute for Strategic Research

Title: Quantum Time Dynamics—Harmonisation of Theory and Practice

Abstract: Quantum Time Dynamics (QTD) deals with exploring the spatiotemporal microstructures and the relationship between time and information. By unifying it with QED (Quantum Electrodynamics) and QCD (Quantum Color Dynamics) one can get closer to create the TOE (Theory of Everything). According to QTD the basic unit of information—just like for mater and energy—is the undividable unity of the objective and material world, which can be defined as a scalar physical quantity, existing independently of its carrier, content and meaning. The conservation of information on the other hand is an open question. By

answering this question new possibilities would show up for exploration in the field of communication and information technology.

The possibility to manipulate the atomic and subatomic realm could lead to the development of new kind of technologies, like quantum computers and quantum cryptography, which is already a common feature at some institutes. Further improvements of these models could help in developing the above mentioned technologies, and in a short period of time these new breakthroughs could lead to the development of such technologies like dynamic-holography, psycho-cybernetics, mental radio and other frontiers. At present most of the scientists—due to different reasons—try not to talk about these issues.

The possibilities, opened up by these researches, on the other hand points far beyond the construction of the above mentioned new technologies. The understanding of these new models could form the basis of an integrated theoretical and directly applied researches and developments, with the help of which new changes could occur in the development of mankind. These changes are differ from natural selection, but—by taking into consideration of the human psyche—could be designed and controlled, which will cause great changes in the social and economical structure. The responsibility of the preparation of these processes is in the hand of those scientists—working in research institutes, universities and in isolation—who are performing their researches at the measurement threshold.

András Ábel, PhD

Professor of Sydney University

Title: We all are of the dust, and we all turn to dust again...

Abstract: The lecture is about the results of astrophysics in the first half of the 20th Century.

The lectures were all delivered in Hungarian except for the one of J.S. Hagelin.

The full materials of the Conference on a single DVD published by ISR will be available in the beginning of 2006 (possibly with English subtitles).

For more information, write to: intezet@strategiakutato.hu