INTERSYMP-2005
17th International Conference
on Systems Research, Informatics and Cybernetics

August 1– August 7, 2005
Markgraf-Ludwig Gymnasium, Hardstrasse 2, Baden-Baden,
Germany

Announcing

Axiomatic Education – III
The 3rd Symposium on the
Substantive Professionalization of General Education

August 3, 2005

Moderator: Professor Greg Andonian, Carleton University, Ottawa, Canada
Co-ordinator: Dr. Donald Rudin, Distinguished Professor, IIAS, USA

Preamble
Prominent experts think it is easiest to understand the world by viewing it as a computer. If so, it must be possible to specify a world software program and show how it runs on appropriate hardware to produce and organize the events of history. We find a successful axiomatic world program can be based on 1) new combinatorial foundations of logic (Leibniz) and 2) a universal hamiltonian-cybernetic systems structure (from Newton's theory of gravity).

Running this World Software Program on hardware consisting of a (Super) Fluid produces a World Computer that generates a hierarchy of string and flow-wave dissipative structures that constitute the actual events of history. These are organized as four recursive hamiltonian systems, Sn, with corresponding theories comprising nature: S1 Physics, S2 biology, S3 sentient sociopsychology and S4 language. Related extremal controlling laws or Performance Indices, PIs, identify these: P11 Action (free energy) minimization in the closed world system and maximization of P12 Survival, P13 Fulfillment and P14 Information Gain in the open life systems.

The Conservation law (1st Law of Thermodynamics) is the World Axiom. Its world constants, c, control the specifics of the world trajectory or evolution. Challengers must find axioms and theorems deduced from them that increase their content difference, i.e., the Information Gain or Intellectual Profit. Completeness must be considered. The evidence developed here for comprehensive lawfulness, both theoretical and empirical, can now address major issues concerning the common culture. The results (1) Support predestination over freewill, (2) Challenge post-
modernism and (3) Introduce new factors into conflict theory, especially the subjective placebo effect and the objective geopolitical role of sympatric conditions.

This is scientific philosophy. It unifies the specialty sciences, initiates the 2nd or generalist stage of modern science, creates the specialty of generalism and develops Systematic Core Education.

**Topics of the Symposium**
This special symposium will provide a forum for high quality discussion of recent advances in Unified Science, Philosophy and Education. Topics include, but are not limited to the following:

- Education from Axiomatic First Principles
- The World as Self-fabricating CAD-CAM System
- Nature as Superfluid Computer
- Formal Epistemology: The World Software Program
- Superfluid Dissipative Structures: The World Hardware
- Macro and Micro Structures
- From Chaos to Order: Formation and Permutation
- The Structure of Knowledge and Education
- The Return to Reason
- Architecture and Axiomatics
- Chaos and Elementary Particles
- Post-secondary Education: Unification of Cultures of the Arts and Sciences
- Combinatorics and Ordering in Design
- Feedbacking and Feedforwarding
- From Prediction to Projection

**Who should be interested?**
General educators, philosophers, system theorists, cyberneticists, mathematicians and others should be interested. This includes those who realize that democracy is the modernizing factor and that, to fully understand the world, we must develop Systematic Core Education based on advanced axiomatic knowledge.

**Call for Papers**
Papers within the scope of the focus symposium are welcome. Abstracts of approximately 200 words should be submitted for evaluation. All proposals will be judged based on scholarly quality, originality and potential for further discourse. Papers must be written in English.

Abstracts may be submitted electronically (Microsoft Word preferred), by mail, or by fax by March 30, 2005 to: Professor Greg Andonian, School of Architecture, Carleton University, 1125 Colonel By Drive, Ottawa, Canada K1S 5B6
Tel: (613) 520-2600 x2868  Fax: (613) 520-2849  E-mail: gandonia@ccs.carleton.ca

**Review Process and Conference Proceedings:**
All submitted papers and abstracts will be peer reviewed. Final papers should not exceed 5 single-spaced typed pages. Conference Proceedings will be published and selected papers may be published in book format.
Important Dates

- March 30, 2005 Abstract due
- April 9, 2005 Notice of acceptance
- May 9, 2005 Final paper due

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