

The PsycheSocio (Psychosocioeconomic Dynamics) Seminars

A four-part series of theoretical physics workshops taking place in 2015 thru 2016

The Psyche Socio Seminars: Psychosocioeconomics and the Role of Mathematical and Social Computational Processes in both Prediction and Modulation of Large-Scale Historical Events

Four compact workshops with online participation and presentation, focusing upon:

Foundations and Bases (roots, assumptions, prejudices, presumptions, expectations, as well as the tools and methods as they have evolved over particularly the past century), enabling a new consideration of:

- Mathematical and computational models as agents of socioeconomic expectation and change in highly complex nonlinear environments
- Psychohistorical analysis coupled with mass social communication networks
- Superposition applied to Large-Scale Social Groups (“The Societal Schrödinger Experiment”)
- Chaotic dynamics, quantum coherence and topological-type models applied to the PSED framework of problems and forecasting tasks
- The Mechanics and Biology of Intelligent Teleological Socioeconomic Planning and Control
- Acceptance, Resistance, Belief Systems and Mass Media Networks as resources for prediction and control during Emergent Critical Processes and Events (ECP)
- Measurement, Quality Assurance and Validation of Functional Accuracy within PSED
- Taking Action for a Sustainable Controllable Future – Designing and Implementing Cybernetic PSED Functions

These seminars are planned for small groups meeting in “roundtable” and informal formats, with presentations but primarily discussions as the norm, as seminars in the classic sense. The importance of “face to face” and bringing together diverse “roots and leaves” is considered to be of great value. In order to accommodate a diversity, breadth and scope of participation and knowledge exchange within the global scientific community, primarily among but not limited to particular segments of theoretical biology, biophysics, genetics, physics and mathematics, there will be a real-time, on-line programme; this is currently being implemented in order to enable many scientists to not only “attend” but to have opportunities for Q/A and “mini-forum” discussions. This dimension of the Seminar Series is also being extended to provide unique educational and “online lab” project opportunities for students at all levels.

The meetings will take place in suitable facilities and accommodations for onsite meetings of 12 to 18 participants, and in the first three meetings, in close proximity with multiple noteworthy institutions. All teleconferencing technology including equipment has been arranged and will be provided by the conference organizing team.

Dates and Locations (prospective; including start/end partial days (main session is +1 and -1 period):

I. Primus Spring 2015 United States New York City 7-14.June (7)	II. Secundus Winter 2016 Germany Bad Wildbad 16-23.January (7)	III. Tertius Summer 2016 Scotland Edinburgh 9-16.July (8)	IV. Quartus Fall 2016 India Rajgir, Bihar State 14-23.October (9)
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On the next page are additional remarks regarding suggested thematic questions and issues. The PsycheSocio Seminar Series is one of the four Seminar Series sets managed by the Institute for Innovative Studies. *This Series is also designed to work closely with the related program, the Andalusia Accord, a series of summit meetings bringing together cultural and spiritual leaders addressing large-scale current and chronic conflict with strong roots and relationships in mass-population movements and traditions (see <http://andalusia.econaduna.org>)*

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Organizing and Planning Document (final draft: 1.August.14 version)

I. Primus – Spring 2015

Focus: Theoretical background, foundations, computational models, and the problem of matching current simulation practices and techniques with the extreme dynamics of contemporary social behaviors and trends. Critique of past traditions and tracks of research and program development with a view toward evaluating the fundamental questions of a possible effective PSED programme. Critical evaluation of large-population mathematical and social-network-based (so-called “big Data”) and related models.

II. Secundus – Winter 2016

Focus: Cybernetic foundations and risks relating to control and influence within an open-ended network of communications and information types. Ethics and Issues of Control. Economics as both goal and toolset for individual and social change and stabilization. The questions of self (species) directed Revolution and Evolution. Re-evaluation of theoretical and experimental models pertaining to quantum entanglement and coherence in macroscopic systems, and relevance to meme-based models that include the role of interpersonal communications including the internet and web.

III. Tertius – Summer 2016

Focus: Uncertainty and Cybernetic Possibilities and Probabilities of Control. Evaluation of alternatives for introducing, evaluating and modulating realistic and mass-effective socioeconomic cybernetics. Evaluation of the role and the potential for mass-effective information sharing and manipulation and large-scale shared computing.

IV. Quartus – Fall 2016

Focus: Furthering and synchronizing the mathematics, the computational modeling, and the practical economic and political implementation of principals into action by socioeconomic structures and behavioral practices. Critical group self-assessment of models developed in previous seminars with respect to forecasting and predictions. (Prospective) public release of consensus-agreement forecasts derived from the Seminar Series participants.

Additional Notes:

Intentionally, The Seminar Series is planned to synchronize with the other “Coadunatio” Seminar Series: those on Quantum Relativity (“Tetrad Physis Seminar Series,” 2015) and Topological/Quantum Biology (“Topo Bio Seminar Series,” 2015-2016) and Space Exploration and Engineering (“ASTRIC MOSES Seminar Series,” 2016-2017).

It is hoped that most of the active participants will have an interest to attend all four of the seminars, but if that is not possible, the internet-based teleconferencing capabilities being set up will offer excellent prospects for participation “in absentia” – particularly for persons who have attended previous seminars or who know other participants well. The cross-cultural, cross-generational educational dimension of the Series cannot be overemphasized.

Presently (July, 2014) the organizing committee is being finalized. It is expected that the process of defining individual participation and topic refinement, firm dates and locations, organization-involvement, and completion of the already-underway securing of funds, will become substantially finalized within the next three months. Persons with interest in becoming directly or indirectly involved in the organizing committee and in assisting with special tasks, as well as for participation, preparation, publications related to one or multiple seminars should make contact by email and then meetings can proceed via phone, Skype or teleconference. Key funding is already firmly in place. The primary organizer of the four Series is the Institute for Innovative Study (instinnovstudy.org), and the primary sponsors are ECOADUNA Foundation (ecoaduna.org), TetraDyn Ltd. (tetradyn.com), KOIN Ltd. (koin.tdyn.org) and FORTE Horizons LLC (www.fortehorizons.com).

Without question, particularly in these challenging socioeconomic times, all resources for science, especially for theoretical physics, and for an event of this complexity, require creativity, innovation, determination and persistence. The combination of confirmed private donation pledges, multiple prospective small grants, and a combination of inventive fund-raising plans made by the primary organizers, all together provides a present substantive base to enable making this announcement in confidence of a successful seminar series. The international coming-together-of-diverse-minds is also an extremely important theme. The challenges in complexity theory, new mathematics and economics, and the trans-scalar sciences (e.g., bridging physics, biology and neuroscience) will not happen from solitary individuals or nations. This Seminar Series can be an important catalyst for new ideas and also new practices in our future world in which we all have an important stake.

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