

## **Foundations of Mind II: A Dialogue Among World Views**

Conference August 13-15 3105 Tolman Hall UC Berkeley  
(watch for announcement of larger venue)

### **Thursday August 13: Metaphysics**

#### **Living the Quantum Paradigm**

Thursday, Aug 13 2015, 9:00-1:00 (Break 10:45 - 11:15)

Chair: Cynthia Sue Larson

Panelists/speakers include Wolfgang Baer (Nascent), James Johnson (LBL), and Swami Prasannatmananda (Vedanta society)

This session invites interdisciplinary dialogue and exercises addressing the underlying philosophy and logic of quantum physics, and approaches to living in accordance with quantum principles. Questions about the nature of reality require inclusion of quantum physics beyond the historical “shut up and calculate” approach, which has provided multiple interpretations of quantum physics without agreement on the philosophical quantum paradigm foundation. Whereas quantum physics challenges scientists to comprehend whether, how, or where a boundary between classical and quantum physics may exist, philosophy promotes critical thinking and clarity about arguments, terminology, and ideas. Scientific philosophy can lead the way toward development of new theoretical approaches and alternate interpretations, while finding conceptual weak points in theories and arguments.

Experiential approaches to living in accordance with quantum principles provide unique opportunities for appreciating the feeling of levels of consciousness and the dream-like nature of reality. In Vedanta, the body is a synonym for sensations and the mind for thoughts; both are presented to consciousness, the fundamental eternal reality. Yet exercises are also proposed to maintain this insight, which otherwise does not persist.

10:00 Submitted papers

Shiva Meucci  
Judy B. Gardiner  
Cynthia Sue Larson  
Leanne Whitney  
Julia Bystrova  
Maria Syldona

#### **Session on Ontology**

Thursday, Aug 13 2015 1:00 - 3:30

Chair: Sean O'Nuallain

Panelists/speakers include Henry Stapp (LBL, Berkeley) , Jacob Needleman (SFSU) (keynotes), Len Talmy ( U Buffalo) Kevin Padian (UC Berkeley), Frank Helle

It is our belief that much grief, and waste of taxpayers' money, could be avoided with an appropriate re-parse of nature that acknowledges there are rifts between the quantum and classical physical realities, and further ontological discontinuities at the biological and intentional thresholds. It is further our belief that the relative failure of the HGP, and imminent debacle of both the Obama and “Blue brain” neuro initiatives, are due to precisely this unwillingness to cater to ontology. Moreover, even incessant crawling of the web has failed to yield anything other than at best mediocre results in machine translation.

Finally, this tendency manifests itself in the social sciences with psychologism, the reduction of exigent social dynamics to cognitive and other psychological theories of how these forces are processed. This has led on the one hand to the non-engaged intellectual; on the other, to bewildering interpretations of postmodern thinkers geared mainly to giving instructors a free pass.

This session invites papers that address technical issues in science and the arts under this rubric. Consider the question of authentic political engagement. In particular, the latter category of papers may explore the fact that reality is related to consciousness and yet transcends it. As we act, we become aware of being objects in a social space that yet can be magicked away in a classroom.

Submitted papers  
Sean O Nuallain  
Jonathan Schooler

### **In the absence of theory, return to Villa Serbelloni?**

Thursday, Aug 13 2015 3:45 to 5:30

Chair: Marcin Joachimiak (Physical Biosciences, Lawrence Berkeley National Laboratory)

Panel includes , Kevin Padian (Integrative Biology, UC Berkeley), Stuart Kauffman (Systems Biology, Seattle), Howard Pattee (Binghamton University), Beverly Rubik (FAIM)

Several decades before the HGP was initiated, a diverse group of scientists convened at Villa Serbelloni to tackle the troubling lack of theory in biology. The solutions they proposed were various, from an untroubling emphasis on hierarchy to a reinstatement of Aristotelian material and final causality to a network-based approach to the interaction of metabolism and genetic code. It is fair to say that the HGP to its cost – and that of the public who paid for it – ignores these guidelines. Is it time for a fresh period of reflection?

Submitted papers  
Madza Vierges (Ph.D candidate, Cal)  
Beverly Rubik (Faim)

## **Friday, August 14: Science**

### **Session on Probing subjectivity with neuroscience; non-invasive probes into subjectivity**

Friday, Aug 14 2015 9 am - 1 pm  
Chair; Justin Riddle (Ph.D. candidate, UC Berkeley)  
Panel includes Walter Freeman (UC Berkeley),  
Jeffrey Martin, Chris Tyler

While a century ago dreams were regarded as revelatory of true psychic dynamics, a later generation took to drugs for that same purpose. A new ethos is stressing invasive methods that essentially involve consent forms being signed by patients already stressed by imminent surgery.

While the results have been mixed, the fact remains that there already exists an array of tools that can shape experience without the risks of drugs or surgery. This session will investigate these tools, like TMS and EEG, and their results. It will feature discussion of synchronized gamma and whether it indeed is the signature of consciousness that many claim it is.

9:00 Keynote: Walter Freeman

9:45 Chris Tyler

10:30 Q+A

10:45 break

11:00 Panel/papers

Papers  
Juan Acosta-Urquidi  
Justin Riddle

1:00 break

### **The Real Madrid Model for universities; superstar academics, free transfers**

Friday, Aug 14 2015 2 pm - 3 pm  
Chair Brian Barsky (UC Berkeley)  
Panellists/speakers include Ignacio Chapela (UC Berkeley)

A new model on the university is being developed in Europe and Russia; superstar academics are to be flown in as adjunct profs, if only for a few months a year, and tenure is to be excised along the lines successfully implemented by Thatcher and Major. An executive is to be created that removes power from the academic community to centralize it into fewer and less accountable hands. While this model reached its nadir in Ireland in the aughts, other countries are now emulating it. This panel attempts to dissect it and propose alternatives.

This is particularly relevant as the 50th anniversary of the free speech movement at Berkeley comes to a close. In keeping with the themes of this conference, Mario Savio was “interested in the connection between quantum mechanics and free will” (Cohen, 2009 P 275)

As a high school student on a summer program at the NSF summer institute “One day I made an observation ....which convinced me – and still does - that this essential connection between macrophysics and microphysics also precludes strict determinism... we have once again coupled a sub microscopic event with macroscopic human behavior. The physical indeterminism of human behavior constitutes a necessary condition for human freedom” (Savio from Cohen, 2009, Pp 17-18)

Cohen, R (2009) Freedom's Orator . NY: OUP

Submitted papers  
Sebastian Benthall, (I-school UC Berkeley)

### **Quantum entanglement, negative probabilities and neural oscillations; the sublime final achievement of the great American polymath Patrick Suppes**

Friday, Aug 14 2015 3:30 to close  
Participants include members of the final Suppes group including Acacio de Barros and Gary Oas. They will be joined by Bob Petr and others with empirical results

Like his fellow-American Frank Lloyd Wright, Pat Suppes experienced a breathtaking burst of creativity in the ninth decade of his life. While Pat's earlier work on economics, psychology and the philosophy of science achieved justified world renown, it is the sustained attack on problems of mind and world that occupied his later energies that we will celebrate in this panel. This work, which is being continued at Stanford, features the highly technical and competent researchers on this panel bringing a wide artillery of techniques to bear on issues of mind, brain, cognition, and epistemology. It is their work which will indicate whether what was being hinted at in Pat's autumn years until his passing in late 2014 is an entirely new language for describing humanity's relationship to reality itself

4:30 Submitted papers  
R. P Bajpai  
Karla Gadamez (LBL)

**Saturday, August 15: Ecological consciousness, environmental technology**  
9 am to 12-30

9 am  
Stuart Kauffman: Conference Keynote  
**"Humanity In A Creative Universe"**  
10-15

Miguel Altieri  
**Agroecology Scaling Up for Food Sovereignty  
and Resiliency**

11 am  
Fritjof Capra  
**The Systems View of Life: A Unified Conception of Mind, Matter, and Life**

1:30-2-30 session continues  
Confirmed speakers include Glenn Aparicio Parry, Katja Pettinen, Tania Re

3:00 pm  
**Mindfulness : meditation, presence in daily life and high performance  
in sports and the arts**

While the beneficial effects of meditation to health can perhaps most economically be explained in terms of its measured decrease in brain metabolism, the issue of how to elicit high performance perhaps needs to be re-opened in the context of modern neuroscience. Artists, meditators and athletes will talk about their experience of presence and flow

Sperry Andrews, Yoshio Nakamura, Melanie O'Reilly, Sean O'Nuallain, Rodney Ferguson, Sahir Yousef