
*V Jornadas de Fundamentos de Cuántica (V JFC)*

*Problemas Ontológicos a 80 Años de EPR*

Ciudad Autónoma de Buenos Aires, Argentina

1 a 4 de Diciembre de 2015

| TUESDAY | |
|---|---|
| 09.30 – 10.00 | Opening |
| 10.00 – 10.40 | **O. Lombardi**. Facing the interpretive challenges of quantum mechanics from an ontology of properties |
| 10.40 – 11.00 | Coffee break |
| 11.00 – 12.00 | **T. Maudlin**. From EPR to Bell to Today |
| 12.00 – 14.30 | Lunch time |
| 14.30 – 15.30 | **R. Gambini**. Event ontology in quantum mechanics and the problem of strong emergence |
| 15.30 – 15.50 | Coffee break |
| 15.50 – 16.20 | **A. C. de la Torre**. Quantum stochastic processes |
| 16.20 – 16.50 | **M. Losada**. The measurement process in the generalized contexts formalism for quantum histories |
| 16.50 – 17.20 | **C. Lopez**. Some remarks on (symmetric?) time in quantum mechanics |

| WEDNESDAY | |
|---|---|
| 10.00 – 10.40 | **A. Plastino**. Hypergeometric connotations of quantum equations |
| 10.40 – 11.10 | **F. Holik**. Logical and geometrical aspects of the violation of Bell inequalities |
| 11.10 – 11.30 | Coffee break |
| 11.30 – 12.00 | **G. Bellomo**. A dimensional link between quantum and classical correlations |
| 12.00 – 14.30 | Lunch time |
| 14.30 – 15.30 | **D. Krause**. Quantum Mechanics and A Classical Logic: the problems with the theory of identity of classical logic |
| 15.30 – 15.50 | Coffee break |
| 15.50 – 16.30 | **J. R. Becker Arenhart**. Quantum mechanics with non-individuals |
| 16.30 – 17.10 | **V. Maudlin**. Ψ-A metaphysical quandary |

| THURSDAY | |
|---|---|
| **10.00 – 10.40** | **P. W. Lamberti**. Time-energy uncertainty relation revisited |
| **10.40 – 11.00** | Coffee break |
| **11.00 – 11.30** | **M. Cerezo**. General factorizing fields and entanglement in finite spin systems |
| **11.30 – 12.00** | **G. Senno**. Deterministic explanations of non-local correlations have to be uncomputable |
| **12.00 – 14.30** | Lunch time |
| **14.30 – 15.00** | **S. Fortin & J. Martinez**. Decoherence in the understanding of optical isomerism |
| **15.00 – 15.30** | **C. Massri**. Geometric probability theory and Jaynes' methodology |
| **15.20 – 15.40** | Coffee break |
| **15.40 – 16.10** | **F. Dominguez**. Irreversible decoherence of dipole interacting nuclear spins coupled with a phonon bath |

| FRIDAY | |
|---|---|
| **10.00 – 10.30** | **P. Acuña**. The ontological status of the wave function in Bohm's theory |
| **10.30 – 11.00** | **I. S. Gomez**. Gaussian ensembles from an information geometric approach |
| **11.00 – 11.20** | Coffee break |
| **11.20 – 11.50** | **A. Cassini**. What an interpretation of quantum mechanics should be |
| **11.50 – 12.20** | **M. Saenz & P. Terren**. An ontological model for the description of classical systems with incompatible experiments |
| **12.20** | Closing |
| **15.30 – 17.30** | **Public Talks (in Spanish): Cuántica Para Todxs** |