



Leonardo Paulo Guimaraes De Assis

- Contingent Mathematics Instructor, Stanford Online High School
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Bio

BIO

Leonardo P. G. De Assis is a theoretical physicist. He currently holds a lecturer position at School of Humanities and Liberal Studies, San Francisco State University and also as instructor at Stanford Pre-Collegiate Studies.

With nine years at Stanford, he was Lecturer at Department of Philosophy (2018), a Research Associate (2015-2018), and Visiting Scholar (2013-2015) at the Center for the Study of Language and Information (CSLI), Lecturer at Symbolic Systems Program since 2018, and instructor at Stanford Continuing Studies .

He received his Bachelors degree in mathematics from Federal University of Rio de Janeiro, Brazil, and he has Master and PhD degrees in Physics from Brazilian Center for Research in Physics, Brazil, with publication in nonlinear dynamics, quantum field theory, nuclear physics, atomic physics, cosmology, physics of plasmas and quantum-like formalism applied to cognition.

He also has an interest in Quantum Computing, Quantum Information, Neurophysics, and Artificial Consciousness.

He is currently employing techniques from dynamical systems, and field theory to model the so-called "Neural Binding Problem". That is an open problem of great interest to Neuroscience, Artificial Intelligence, Cognitive Science and Philosophy of Mind.