Physics Colloquium

Prof. Antal Jevicki
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Brown University

"From Solitons to Black Holes : Emergent Phenomena in QFT"

Quantum Field Theory provides a successful framework for fundamental studies in Physics, among them the Standard Model and Critical Phenomena. Studies of emergent phenomena, such as Solitons, D-branes and Black Holes have led to new insights and challenges. A unified picture is given by the underlying M(atrix) theories which offer a framework for the emergence of Space-time and of Gravity. These phenomena will be illuminated through simple (quantum) models.

Professor Jevicki received his PhD degree in Physics from the City College of New York. He was a member of The Institute for Advanced Study (Princeton) and an Alfred P. Sloan Fellow. Since 1980 he has been a Professor of Physics at Brown University (Providence) where he carries out research on Nonperturbative Quantum Field Theory, Collective Phenomena and String Theory. He is known for exhibiting (together with Sumit Das) the first example of emergent space-time in non-critical string theory.

Thursday, April 21, in LL 316 at 4:25 PM

For Zoom participation, please see information below:

Meeting ID: 972 1274 7894

Passcode: 631869