## Calin Lazaroiu

Title: "What we don't know about holography: a high level review by a mathematical physicist"

**Abstract:** "I give a bird's eye review of fifty years of attempts to treat holography as a guiding principle for understanding quantum gravity and a personal estimation of their relative success from a conceptual perspective. I also make a few remarks regarding connections with information theory and mention a few problems which could serve as hard tests of currently popular speculations."