

## **Malcolm Dean**

Completing work introduced at the first International Conference, a comprehensive physical theory of religious, cultural, and cognitive systems is presented. John Archibald Wheeler's It from Bit aphorism is mathematically formalized by Vladimir Lerner's Information Macrodynamics (see arxiv.org), resulting in a detailed understanding of Information processes at all scales. The emergence of memory and prospective exploration naturally arises in even the most simple of lifeforms. At the human social level, religion, culture, and cognition emerge naturally from the same elementary processes. Like all Information processes, Religious Systems work to achieve certainty and document their observations through ritual and text. Theologies and cosmologies thus present emergent comprehension of universal phenomena, such as the Horizon. Far from being "maladaptive" religions naturally arise from the same basic Information physics as culture and cognition.