Mobile Consciousness: Developing a Smartphone Application for REG Exploration and Distributed Consciousness Research

Results:

Investigations of methods for generating true-random numbers from the internal hardware of a smartphone device resulted in a successful technique to convert processes within an Apple iPhone's accelerometer into random binary numbers which passed statistical tests of randomness. An intuitive graphical interface was developed for the iPhone to generate, utilize, and transmit data. Server-side algorithms were implemented to collect, store, and analyze transmitted data. Aggregated results of a "real-world" deployment of the iPhone application produced a body of calibration data comprising 30-bit trials with a terminal z-score of -0.17. Upward-intention data yielded a terminal z-score of 0.64, while downward-intention data yielded a terminal z-score of -1.09, both in the desired direction of effort. Given the limited size of these exploratory experiments, these results were not statistically significant, but the effect sizes were of a scale consistent with those of many successful mind-matter interaction studies.

The effort has established both the viability and the core technology behind what could be a new generation of research techniques into consciousness-correlated physical phenomena. The wide availability of smartphones offers new possibilities in mobile computing that can extend this research to a much larger community of users, while eliminating many of the costs and complexities associated with strictly hardware-based and localized methods of the same.

Published Works:

Area(s) of interest:

Consciousness, smartphones, random event generators (REGs)

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