

**Computation, physics and beyond : International Workshop on Theoretical Computer Science, WTCS 2012, dedicated to Cristian S. Calude on the occasion of his 60th birthday, Auckland, New Zealand, February 21-24, 2012 : revised selected and invited papers**

Michael J. Dinneen, editor

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**Abstrak**

The research interests of Cristian Calude are reflected in the topics covered by the 32 papers included in this book, namely, algorithmic information theory, algorithms, automata and formal languages, computing and natural sciences, computability and applications, logic and applications, philosophy of computation, physics and computation, and unconventional models of computation. They have been organized into four parts. The first part consists of papers discussing his life achievements. This is followed by papers in the three general areas of complexity, computability, and randomness; physics, philosophy (and logic), and computation; and algorithms, automata, and formal models (including unconventional computing).