Workshop on Computability and complexity

Auckland, Dec 8

Organized by Cris Calude and André Nies

All talks will take place in CS 279.

Session 1

10:00 Eric Goles, Valparaiso Institute of Complex Systems, Chile.
The Underlying Optimal Protocol of Rule 218 Cellular Automata

10:45 Coffee CS 561

11:15 Rossella Lupacchini, University of Bologna, Italy.
Undecidability and Uncertainty in getting at the Nature of Information Processes

12:15 Ludwig Staiger, Martin-Luther University, Germany.
On ε–Randomness.

13:00 Lunch CS 561

Session 2

14:00 Jan Reimann, UC Berkeley.
Effective Capacitability and Dimension of Measures

15:00 Paul Brodhead, UFl Gainesville and VIC
Effective Capacity and Randomness of Closed Sets

16:15 George Barmpalias, VIC

Computably enumerable splittings, Randomness and Lowness