

# Manoa Mini-Symposium on Physics of Adaptive Computation

Monday, January 7th, 2018  
Queen Liliuolani Center, Room 412 (top floor).

9:00-9:30	Seth Lloyd, MIT	"Learning to make energy free"
9:30-10:00	Gavin Crooks, BITS	"Thermodynamic constraints of communication and interaction in coupled system"
10:00-10:30	Rob Shaw, Haptik	"Computation with Shapes"
10:45-11:15	Lee Altenberg, UH Manoa	"How much information can natural selection maintain?"
11:15-11:45	Chris Watkins, Royal Holloway	"A model of evolution that satisfies detailed balance"
1:30-2:00	Massimiliano Esposito, Univ. Luxembuorg	"Thermodynamic cost of Information Processing"
2:00-2:30	Josh Deutsch, UC Santa Cruz	"How to make a computer out of junk DNA"
2:50-3:20	Lidia del Rio, ETH Zürich	"Quantum agents who reason in paradoxical scenarios"
3:20-3:50	Mike DeWeese, UC Berkeley	"Geodesic optimization in thermodynamic control"

Organizer: Susanne Still, University of Hawaii at Manoa

Sponsor: The Computing Community Consortium