

NIMBioS Information and Entropy Workshop Agenda

April 8-10, 2015

Wednesday April 8

- 8:00-9:00 — Breakfast at NIMBioS
- 9:45-10:00 — the usual introductory fussing around.
- 10:00-10:30 — John Baez, [Information and entropy in biological systems](#).
- 10:30-11:00 — questions, coffee break
- 11:00-11:30 — Chris Lee, [Empirical information, potential information and disinformation](#).
- 11:30-11:45 — questions.
- 11:45-1:30 — lunch, conversations. • 1:30-2:00 — John Harte, [Maximum entropy as a foundation for theory building in ecology](#).
- 2:00-2:15 — questions, coffee.
- 2:15-2:45 — Annette Ostling, The neutral theory of biodiversity and other competitors to the principle of maximum entropy.
- 2:45-3:00 — questions, coffee break
- 3:00-5:30 — break up into groups for discussions

- 5:30 — reception

Thursday April 9

- 8:00-9:00 — Breakfast at NIMBioS
- 10:00-10:30 — David Wolpert, The Landauer limit and thermodynamics of biological organisms.
- 10:30-11:00 — questions, coffee break
- 11:00-11:30 — Susanne Still, to be announced. (The information bottleneck approach to predictive inference?)
- 11:30-11:45 — questions.
- 11:45-1:30 — lunch, conversations.
- 1:30-2:00 — Matina Donaldson-Matasci, to be announced. (The fitness value of information?)
- 2:00-2:15 — questions, coffee break
- 2:15-2:45 — Roderick Dewar, Maximum entropy and maximum entropy production in biological systems: survival of the likeliest?
- 2:45-3:00 — questions, coffee break
- 3:00-6:00 — break up into groups for discussions.

Friday April 10

- 8:00-9:00 — Breakfast at NIMBioS
- 10:00-10:30 — Marc Harper, [Information transport and evolutionary dynamics](#).
- 10:30-11:00 — questions, coffee break
- 11:00-11:30 — Tobias Fritz, [Characterizations of Shannon and Rényi entropy](#).
- 11:30-11:45 — questions.
- 11:45-1:30 — lunch, conversations.

- 1:30-2:00 — Christina Cobbold, [Biodiversity measures and the role of species similarity](#).
- 2:00-2:15 — questions, coffee
- 2:15-2:45 — Tom Leinster [Maximizing biological diversity](#).
- 2:45-3:00 — questions, coffee break
- 3:00-6:00 — break up into groups for discussions.