

TRUCE Kick-Off Meeting

Adaptive Systems

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Questions

- What does adaptation mean?
- What are generic mechanisms of adaptation?
- How to describe adaptation in most generic terms?

Challenge

principled approaches sought

Ideas

- need for getting out of the “naive” computation paradigm
- avoid getting stuck in “comfort zone” of well-understood mechanisms and assumptions
- move away from concrete mechanistic view
- towards understanding the constraints, the actual constraints, and none but the constraints

Perspectives

Prime Candidate: (Shannon) information

- Properties:**
- universal currency
 - suitable for modelling adaptation in any sense:
 - evolutionary
 - cognitive
 - cultural
 - ...

Vision for Cooperations

Traditional Approaches

- conference sessions
- workshops

Suggestion - Quality, not Quantity: Working “Camps”

- 5-day to 1-week working meetings
- actual work done:
 - ① mini-project definition
 - ② implementations
 - ③ intermediate and final presentations
 - ④ target outcome and “future work agendas”
 - ⑤ mini-reports (1-2 pages)

Note

links to and coordination with other UCOMP activities

Funding

- venue costs
- travel support

Implementation

- 1 or 2 invited eminent researchers
- open call for limited number of supported travels, at PhD and postdoc level
- open call for limited number of senior researchers (funded? to be discussed)