CI Lab Notes

01.22.16

Present: Lee, Tom, Bill L, Bill T, Mike (Scribe), Nic, Eva, Eddie, George, Julian

Introductions

Humies

     You could win $$$!

     Deadline in Spring

     Very few entries in the past,

     Probably not Auto Construction,

Mike Project idea

     Parallelization!

     Fitness tests and birthing process are bottleneck

     Check out Tozier's Push interpreter

Andy tractor GUI

     Lee send this out to the group!

     GUI to launch jobs.

Hackathon

     Looking for mentors

     Contact Eddie, Mike, or Lee if you'd like to be involved

CEC Niching Competition

     Multimodal stuff.

     Lexicase selection could be a good candidate for other

GECCO Paper

     Hyperselection

     Abstracts due Jan 27, Full Papers due Feb 3.

GECCO Poster   (Nic)

     Genealogies

     Poster about visualization

Tournament vs. Lexicase

Maybe turn it into a book?

Autoconstruction

Two solutions on the newest set of runs

One solved in 40 generations

2nd solved in 203 generations

Chris Hill

Bill and Lee met with Chris

He works on ocean currents and turbulence. Large scale fluid dynamic simulations

From MIT, works with UMass as well.

Observation and Selection

Foundational Questions institute

George

Quantum processing with QGAME

Evolve push programs that when run compile a QGAME script

Lack of complex numbers in Clojure is an issue

Does it need to be implemented in Clojure to make it run faster

It's definitely running too slow at this point

Nic – Could Garbage collection be an issue? We should look into memory.