

**To:** Jeffrey Epstein[jeevacation@gmail.com]  
**From:** [REDACTED]  
**Sent:** Mon 10/12/2009 1:02:28 PM  
**Subject:** Re:

As a general rule, Hawkins thinks the only good work is done by Hawkins and his employees ;-). .... I.e., he is extremely sure he has the One True Path ... far more so than all the rest of us egomaniacs....

I doubt that Poggio knows about Itamar's work, but I suspect he would like it. Regarding perception processing, Itamar has the same basic philosophy as Poggio ... the difference is that Poggio is focusing on brain modeling whereas Itamar is trying to build AGI. Which allows Itamar to insert architectural features (like extensive feedback connections) whose biological details aren't yet known.

At the Industry Day for the DARPA Deep Learning BAA (a few months ago), Itamar and I talked to the guys who are working on commercializing Poggio's stuff for image and video classification, and they said they are having a lot of trouble getting good results on practical problems. But Poggio himself wasn't there...

Getting together with Poggio and Itamar and you for a chat on vision and AGI would be good fun. I talked to Poggio briefly after a talk he gave at Princeton a couple years ago, but don't really know him well (and he may not remember me)...

ben

On Mon, Oct 12, 2009 at 8:46 AM, Jeffrey Epstein <jeevacation@gmail.com> wrote:

> what does poggio and hawkins think of itamar's work,, i;d be interested to  
> know

>

> On Mon, Oct 12, 2009 at 8:15 AM, Ben Goertzel [REDACTED] wrote:

>>

>> Hi,

>>

>> Yes, that work is quite well-known (and quite good).... It's based on  
>> a system that emulates only the feedforward connections of the visual  
>> cortex; and it's not actually the highest-accuracy video or image  
>> classifier currently available.... The novel thing about Poggio's  
>> approach isn't so much its classification accuracy (which is not the  
>> best) but the fact that it achieves GOOD (even if not the best)  
>> classification accuracy via an architecture with so much biological  
>> realism.

>>

>> Itamar's architecture, like that of Jeff Hawkins (but unlike  
>> Poggio's), does not aspire to detailed biological realism. This  
>> allows it to use recurrent connections (which Poggio doesn't use in  
>> his architecture yet so far as I know, probably because we don't yet  
>> know how recurrent connections work in the visual cortex, and Poggio  
>> is committed to biological realism).

>>

>> Actually, I think the "secret sauce" of AGI lies in cognition not  
>> vision ... but I also think that it's great to have a sensorimotor  
>> system to hook up to one's cognition system. And Poggio's vision  
>> system is NOT suitable to be hooked up to a cognition system due to  
>> the lack of recurrent connections. Jeff Hawkins' vision system is not  
>> suitable either because Hawkins has made some very poor architectural

```

>> choices. Itamar's system *is* suitable to hook up to a cognition
>> system, because it has both feedforward and feedback connections and
>> his architecture and algorithms make sense..
>>
>> ben
>>
>> On Mon, Oct 12, 2009 at 7:54 AM, Jeffrey Epstein <jeevacation@gmail.com>
>> wrote:
>> >
>> > web.mit.edu/mcgovern/html/News.../0702_poggio.shtml - Three years
>> > old.
>> > --
>> > *****
>> > The information contained in this communication is
>> > confidential, may be attorney-client privileged, may
>> > constitute inside information, and is intended only for
>> > the use of the addressee. It is the property of
>> > Jeffrey Epstein
>> > Unauthorized use, disclosure or copying of this
>> > communication or any part thereof is strictly prohibited
>> > and may be unlawful. If you have received this
>> > communication in error, please notify us immediately by
>> > return e-mail or by e-mail to jeevacation@gmail.com, and
>> > destroy this communication and all copies thereof,
>> > including all attachments.
>> >
>> >
>> >
>> --
>> Ben Goertzel, PhD
>> CEO, Novamente LLC and Biomind LLC
>> Director of Research, SIAI
>> [REDACTED]
>>
>> "Truth is a pathless land" -- Jiddu Krishnamurti
>
>
>
> --
> *****
> The information contained in this communication is
> confidential, may be attorney-client privileged, may
> constitute inside information, and is intended only for
> the use of the addressee. It is the property of
> Jeffrey Epstein
> Unauthorized use, disclosure or copying of this
> communication or any part thereof is strictly prohibited
> and may be unlawful. If you have received this
> communication in error, please notify us immediately by
> return e-mail or by e-mail to jeevacation@gmail.com, and
> destroy this communication and all copies thereof,
> including all attachments.
>
>
--
Ben Goertzel, PhD
CEO, Novamente LLC and Biomind LLC

```

Director of Research, SIAI

[REDACTED]

"Truth is a pathless land" -- Jiddu Krishnamurti