

**From:** Seth Lloyd <[REDACTED]>  
**To:** "jeffrey E." <jeevacation@gmail.com>  
**Subject:** Re:  
**Date:** Sat, 20 Aug 2016 23:28:21 +0000

---

Dear Jeffrey,

There is some fun stuff going on, mixed in with a substantial amount of BS too!

Joscha and I had a fun debate on a panel -- or a violent disagreement, depending on your perspective. Joscha wanted to define observers and agents as high-level, complex systems, and I wanted to say an observer is just a system that gets information about its environment, and an agent is a system that acts on its environment. They didn't have to get out the steel cage, but it was entertaining.

There has been a lot of interest about trying to make formal the idea of systems that discover and take advantage of patterns in their environment, quite similar to discussions that you and I have had. There are different perspectives about this, but people broadly agree that this is an important avenue to follow.

There remains a surprising amount of disagreement on foundations of quantum mechanics and the quantum measurement problem.

There has been a lot of fruitless debate on what is an 'event,' and what it means for an event to 'happen.'

There should be a good session on quantum gravity, which I will sadly miss because I have to leave tomorrow morning. Then there will be a session on consciousness, which I will happily miss.

Hope all goes well there,

Seth

On Sat, Aug 20, 2016 at 10:21 AM, jeffrey E. <jeevacation@gmail.com> wrote:  
any interesting insights up in bamf

--

please note

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

JEE

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](mailto:jeevacation@gmail.com), and destroy this communication and all copies thereof, including all attachments. copyright -all rights reserved