

POST

Quantum? . . . should it be?

June 6, 2020

Microsoft's "Planetary Computer" ... should it be classically-based or quantum-based?

If I thought the following was above anyone's head ... I wouldn't write it. If I thought you wouldn't have a profound thought about it ... I wouldn't write it. If I thought you couldn't expound upon it and bring life to it in ways that I can't ... I wouldn't write it. I wrote it.

Quantum ... or

classical?

Microsoft's

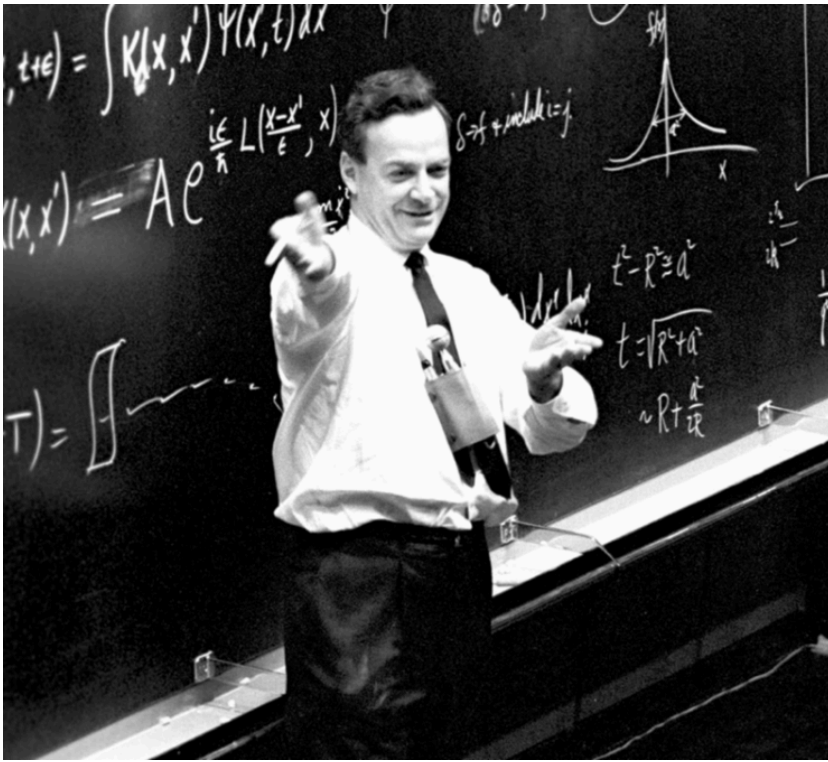
“Planetary Computer”

Which should it be?

I pointed out in an earlier email (http://r20.rs6.net/tn.jsp?f=001AWpaTtOg-q7A3BaqzRT2Onxr394uPUt4gsHk-LVE2g3ScXH8pARjQCD4VNIWdzsf_us4x9larwY2YamGpqouEWZgB7NR3N2uy5MkOZE2QFBAUiYHk3liNc2ePKIacTeNpy6nIrKyHkDKw5XJbaWQWg==&c=&ch=) **that Microsoft announced** (http://r20.rs6.net/tn.jsp?f=001AWpaTtOg-q7A3BaqzRT2Onxr394uPUt4gsHk-LVE2g3ScXH8pARjQCD4VNIWdzsf_us4x9larwY2YamGpqouEWZgB7NR3N2uy5MkOZE2QFBAUiYHk3liNc2ePKIacTeNpy6nIrKyHkDKw5XJbaWQWg==&c=&ch=)

4gsHk-LVE2g3ScXH8pARjQCD4VNIWdzsfth5xqPG3dCUb-URYU-sfQjU_oaKpQm_sevbCo8-Ii-K
oM8ydRjUiI5glalXvC3Cg1RO2GNvscWhzTzEEv_wniCmSoXiGgxqnD4zSH8xnZPS10InKbGIwPfbx
EO11VVhYAZchW_RVEwO4fZshbpwOIecLpgjiSbcVcj9qnDcRU3Rt8xqIsfDHw==&c=&ch=) **it's**
building a “planetary computer” (<http://r20.rs6.net/tn.jsp?f=001AWpaTtOg-q7A3BaQzRT2Onxr394uPUt4gsHk-LVE2g3ScXH8pARjQPcrNKKUICKQFzoYP9JhTyvjRAvCvrclt3hLbQzBEPJXzo-i-Z7QUSot2jA5reHOx3MdBxQzGIgW-8TT7iOaA3uAoLnDdk2dJiw==&c=&ch=>). **Below is why I**
believe this computer can and should be based in quantum computing and
communication (http://r20.rs6.net/tn.jsp?f=001AWpaTtOg-q7A3BaQzRT2Onxr394uPUt4gsHk-LVE2g3ScXH8pARjQCD4VNIWdzsf7koF5Uuiob-BHtxvRRToGgc_iDPFRzSgAp5HefODSzzU-zneTe6QoyEPmGv5JcXiKktJslzZpQDUEkUKFl33FzEIQ3y8U14a3jCivgzFKLqp-Vx5eU33_5riUrxh3DP-kES8bxLWwdRlN8a3lWjNj7Yl5fu9ETBAfyHG5UrgSyA=&c=&ch=). **But the shortest**
explanation can be found in the grammatical profundity of the following Richard
Feynman quote:

“Nature isn’t classical, dammit, and if you want to make a simulation of nature, you’d better make it quantum mechanical, and by golly it’s a wonderful problem, because it doesn’t look so easy.”- Richard Feynman



---“Nature isn't classical, dammit, and if you want to make a simulation of nature, you'd better make it quantum mechanical, and by golly it's a wonderful problem, because it doesn't look so easy.” — Richard Feynman

---“Every time you translate data from quantum data to classical data to human data ... you lose data.”

- Jed Anderson, Creator, EnviroAI

-“Every time we translate data in nature from quantum data to classical data to human communication data . . . and then back again . . . the system becomes more complicated, fragmented, and static—and we end up losing data.”

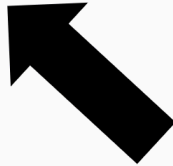
- Jed Anderson, Creator, EnviroAI

Quantum ↔ Classical ↔ Human



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011000100100100
010010010010101
010100101110011
010011100100101
110100010001001
010010101110100
010101101010100
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Language data, visual data,
numeric data.



The key to protecting nature is to develop a system that, as much as possible, communicates and interacts with nature how nature communicates and interacts with nature. It's simpler.

---“A quantum internet will be the platform of a quantum ecosystem, where computers, networks, and sensors exchange information in a fundamentally new manner where sensing, communication, and computing literally work together as one entity.”— David Awschalom, Professor of of Molecular Engineering, University of Chicago

The Enduring Promise of Planetary Computing_



Microsoft

“Nature is a quantum system. A planetary computer therefore must be a quantum system. Quantum system to protect a quantum system. It's simpler.”

- Jed Anderson, Creator, EnviroAI



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Environmental A. I.



[More Information on EnviroAI \(http://r20.rs6.net/tn.jsp?f=001AWpaTtOg-q7A3BaqzRT2Onxr394uPUt4gsHk-LVE2g3ScXH8pARjQKoVvQJMgg2_xm1roHTeEwQQYeVZTQtiRGxIYe9lZzLmeP9uT-_XKa5w32OuitZVtRdqQ5ocMM4Vi1QhmCp65FPHIbDj9uNQLA==&c=&ch=\)](http://r20.rs6.net/tn.jsp?f=001AWpaTtOg-q7A3BaqzRT2Onxr394uPUt4gsHk-LVE2g3ScXH8pARjQKoVvQJMgg2_xm1roHTeEwQQYeVZTQtiRGxIYe9lZzLmeP9uT-_XKa5w32OuitZVtRdqQ5ocMM4Vi1QhmCp65FPHIbDj9uNQLA==&c=&ch=)

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