

**From:** [Chen, Lily \(Fed\)](#)  
**To:** [\[REDACTED\]](#), [Scholl, Matthew A. \(Fed\)](#)  
**Subject:** RE: China is beating the US when it comes to quantum security  
**Date:** Tuesday, December 17, 2019 9:56:00 AM

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Hi, Tim,

These people push for large investment on their ventures. Countless startups have made a bet on quantum. Some even invest on multiple startups to make sure no matter what will happen for quantum, they will get something from it.

Lily

-----Original Message-----

**From:** Timothy Grance [\[REDACTED\]](#)  
**Sent:** Friday, December 13, 2019 5:12 PM  
**To:** Chen, Lily (Fed) <lily.chen@nist.gov>; Scholl, Matthew A. (Fed) <matthew.scholl@nist.gov>  
**Subject:** China is beating the US when it comes to quantum security

Lily

I agree with everything you said earlier, and Matt has noted that China is working hard on this. To me it is a lot of extra technology and engineering that isn't really all that useful that current methods can do effectively.

Tim

Ps. On QC and AI we are in a marathon doesn't really matter with China-as we are in the first 3 miles of a 26 mile race.

From MIT Technology Review:

China is beating the US when it comes to quantum security "It's a lot like the space race. We really can't afford to come into second place."

[https://gcc01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.technologyreview.com%2Fs%2F614928%2Fchina-is-beating-the-us-when-it-comes-to-quantum-security%2F%3Futm\\_campaign%3Dsite\\_visitor.unpaid.engagement%26utm\\_source%3Demail%26utm\\_medium%3Dsocial\\_share%26utm\\_content%3D2019-12-13&data=02%7C01%7Clily.chen%40nist.gov%7Cb58fa3a676d24972407608d78019872d%7C2ab5d82fd8fa4797a93e054655c61dec%7C1%7C1%7C637118719440207582&data=C8GwYTHFz9hsDoN8o2gij1wGQ4EKy5r9JdSL06kKzY%3D&reserved=0](https://gcc01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.technologyreview.com%2Fs%2F614928%2Fchina-is-beating-the-us-when-it-comes-to-quantum-security%2F%3Futm_campaign%3Dsite_visitor.unpaid.engagement%26utm_source%3Demail%26utm_medium%3Dsocial_share%26utm_content%3D2019-12-13&data=02%7C01%7Clily.chen%40nist.gov%7Cb58fa3a676d24972407608d78019872d%7C2ab5d82fd8fa4797a93e054655c61dec%7C1%7C1%7C637118719440207582&data=C8GwYTHFz9hsDoN8o2gij1wGQ4EKy5r9JdSL06kKzY%3D&reserved=0)

Sent from my iPhone