

**From:** [Dodson, Donna F \(Fed\)](#)  
**To:** [Chen, Lily \(Fed\)](#); [Regenscheid, Andrew R. \(Fed\)](#)  
**Subject:** Re: Some rumor about lattice based  
**Date:** Thursday, November 3, 2016 8:47:20 PM

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Thanks very much.  
Donna

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**From:** Lily Chen <lily.chen@nist.gov>  
**Date:** Thursday, November 3, 2016 at 3:39 PM  
**To:** "donna.dodson@nist.gov" <donna.dodson@nist.gov>, Andrew Regenscheid <andrew.regenscheid@nist.gov>  
**Subject:** Some rumor about lattice based

Hi, Donna and Andy:

I talked with Stephen. Peter Shor, the professor who discovered a quantum algorithm for integer factorization, has been working on lattice problem. This is true. He has some papers on lattice problem. The rumor is that he has made a breakthrough on lattice problem, which has never been confirmed. Stephen said that as last time he heard, the algorithm is incorrect. However, he does not know if there is any update recently to make Karl think that way. Or Karl simply consider the rumor has certain truth in it.

Any way, it is "exciting" to hear such news. I am very looking forward to knowing any update. I am sure we will have more fun than we ever had.

Lily