Building A Computer Without A Computer.

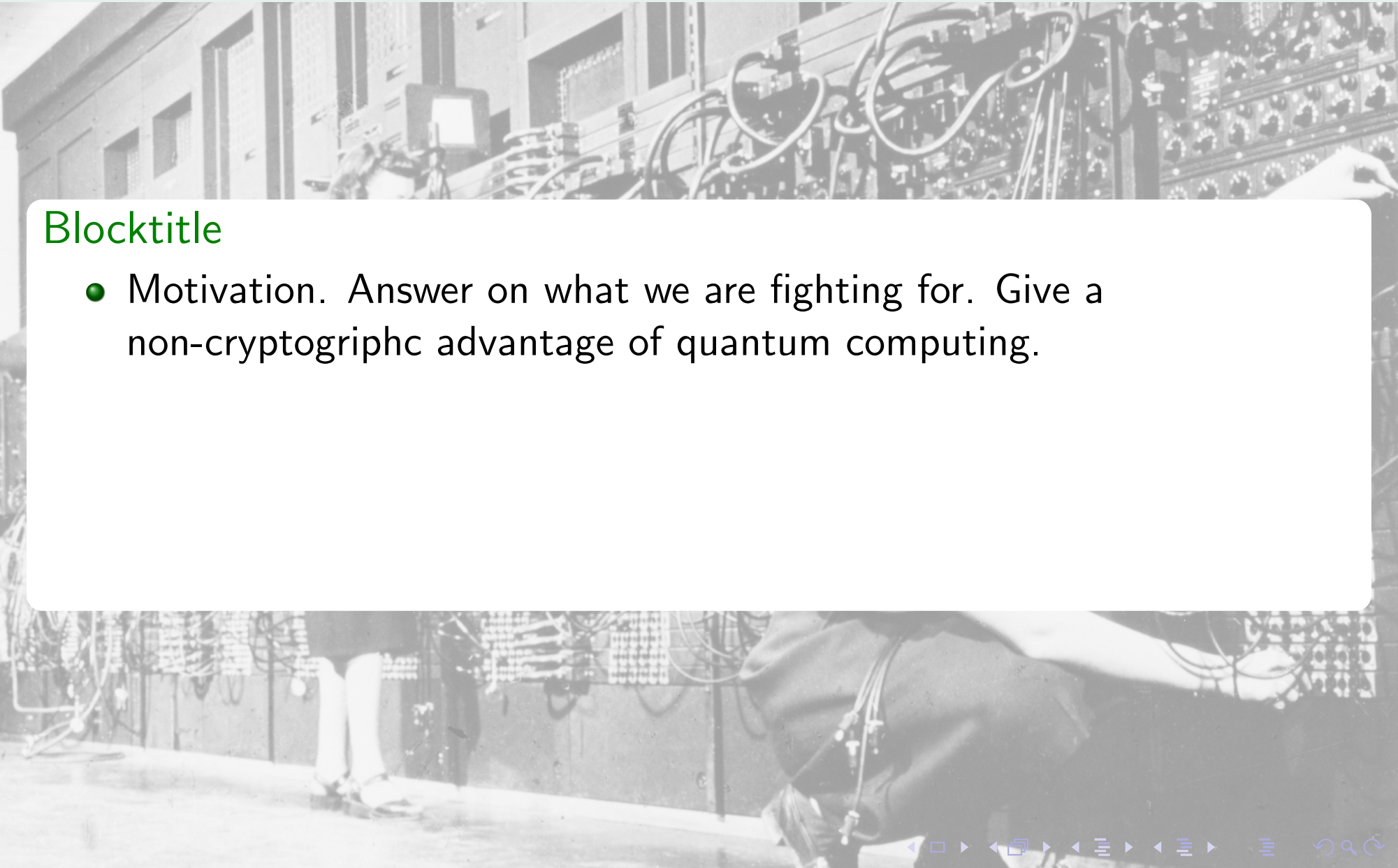
(Introduction To Error Crorrection And Fault Tolarnce Computation.)

D. Ponarovsky[1]

[1]Faculty of Computer Science
Hebrew University of Jerusalem

Qubit meeting 2022-23, Israel Quntum Tech Community.

The Goal Of The Talk



Blocktitle

- Motivation. Answer on what we are fighting for. Give a non-cryptogriphc advantage of quantum computing.

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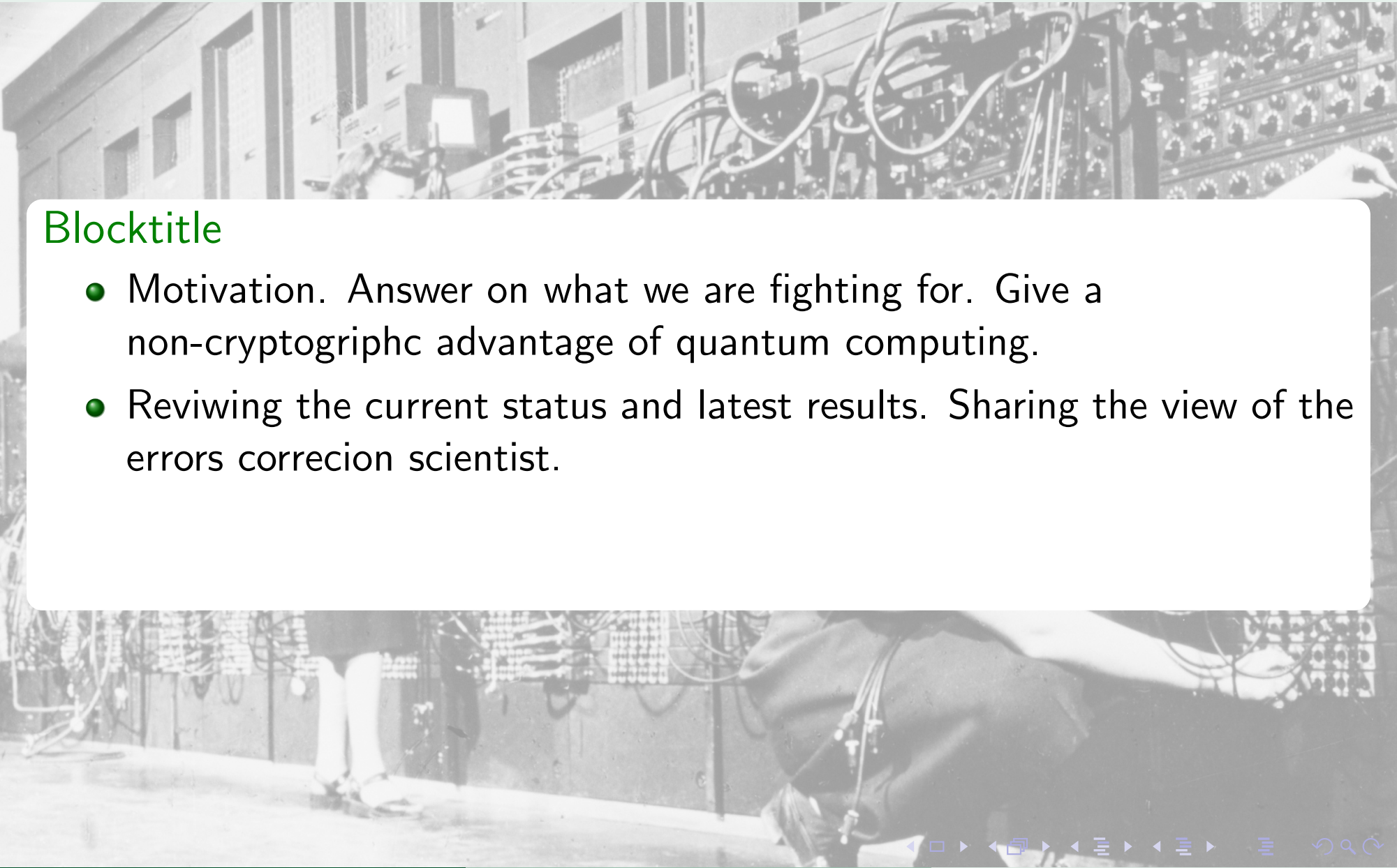

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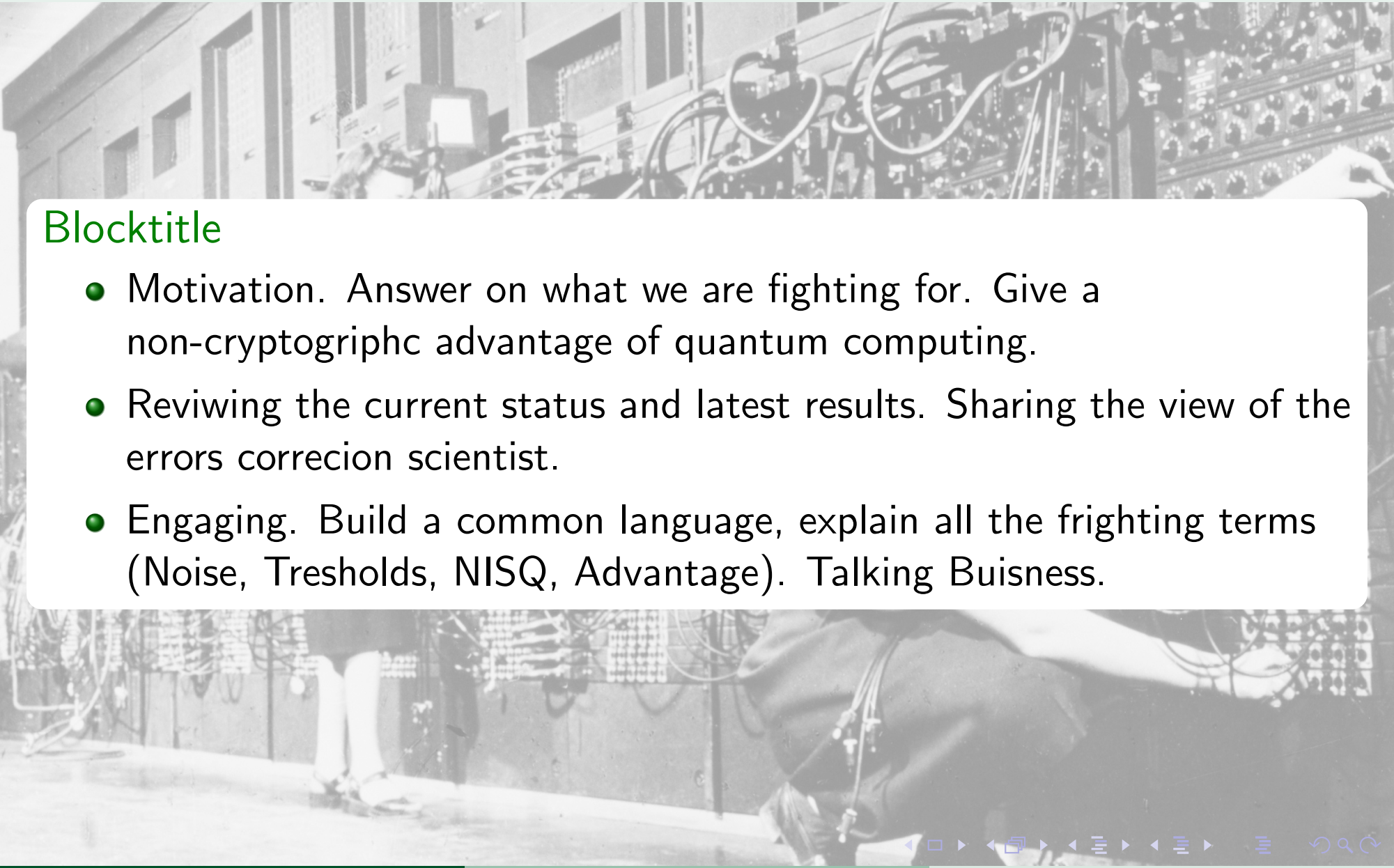

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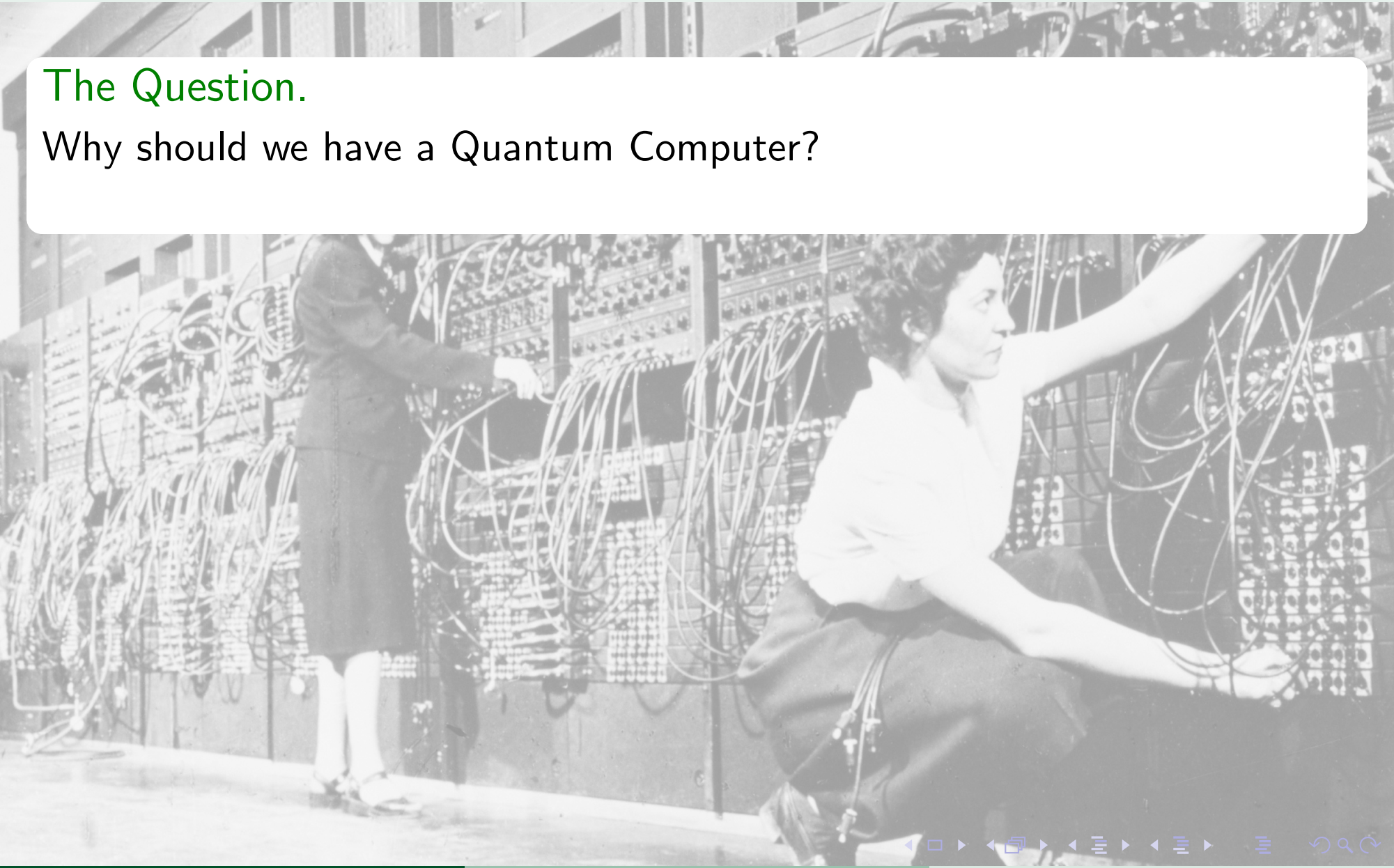
- Motivation. Answer on what we are fighting for. Give a non-cryptogriphc advantage of quantum computing.
- Reviwing the current status and latest results. Sharing the view of the errors correcion scientist.
- Engaging. Build a common language, explain all the frighting terms (Noise, Tresholds, NISQ, Advantage). Talking Buisness.

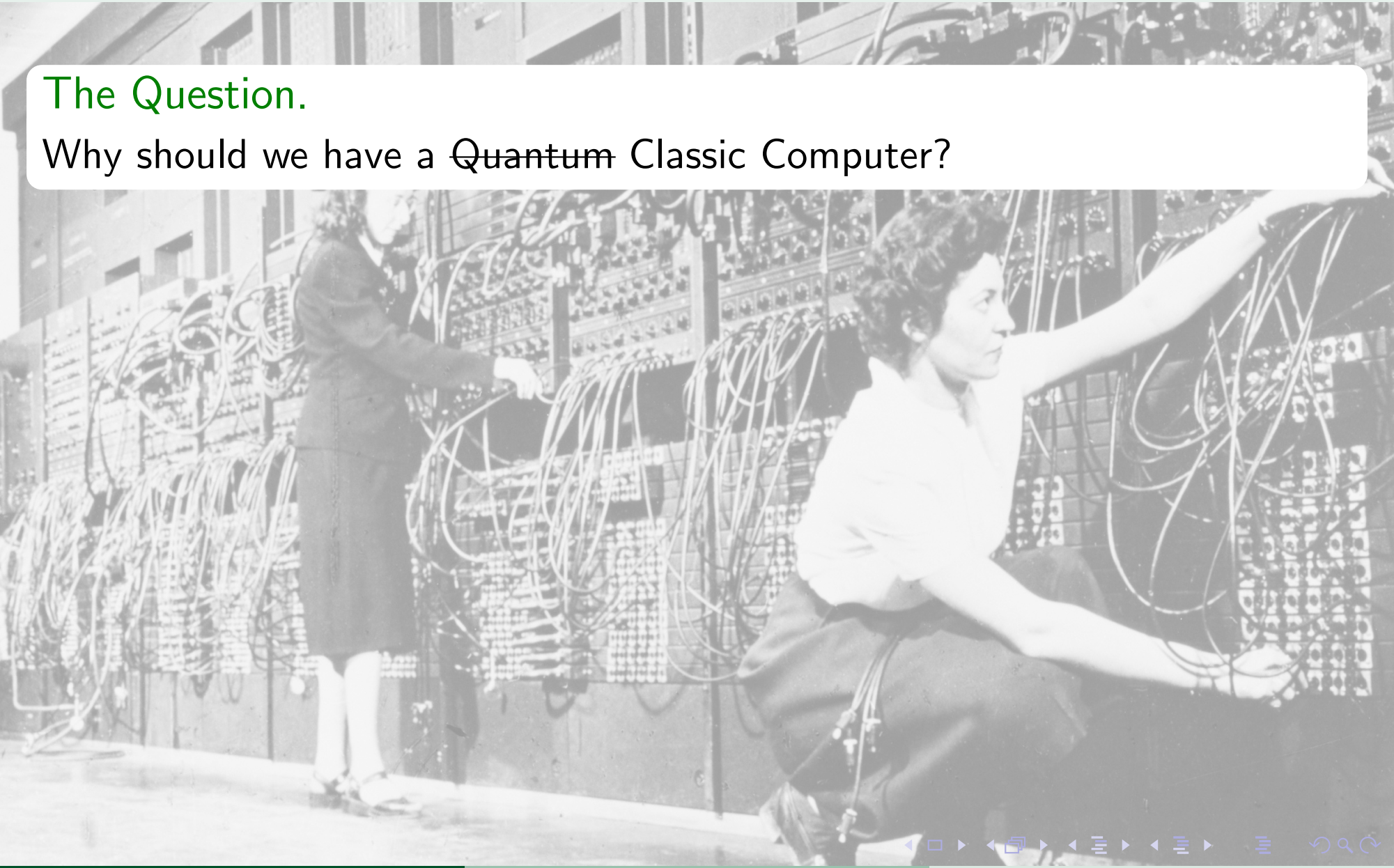
Motivation.



The Question.

Why should we have a Quantum Computer?

Motivation.



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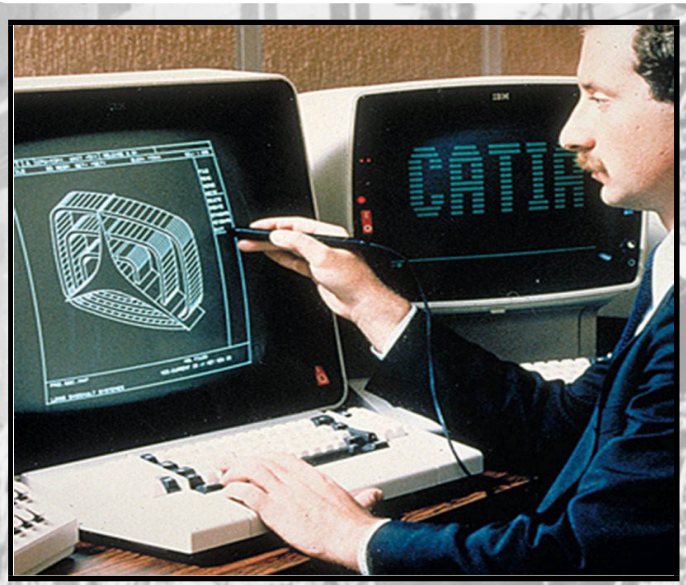

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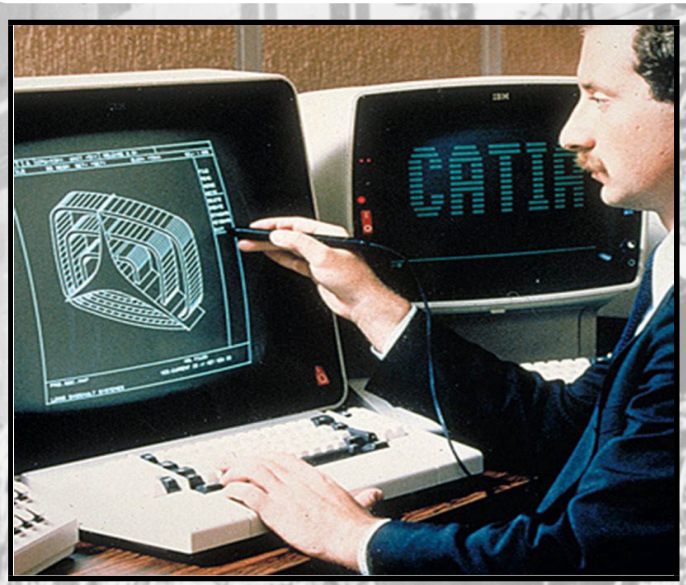

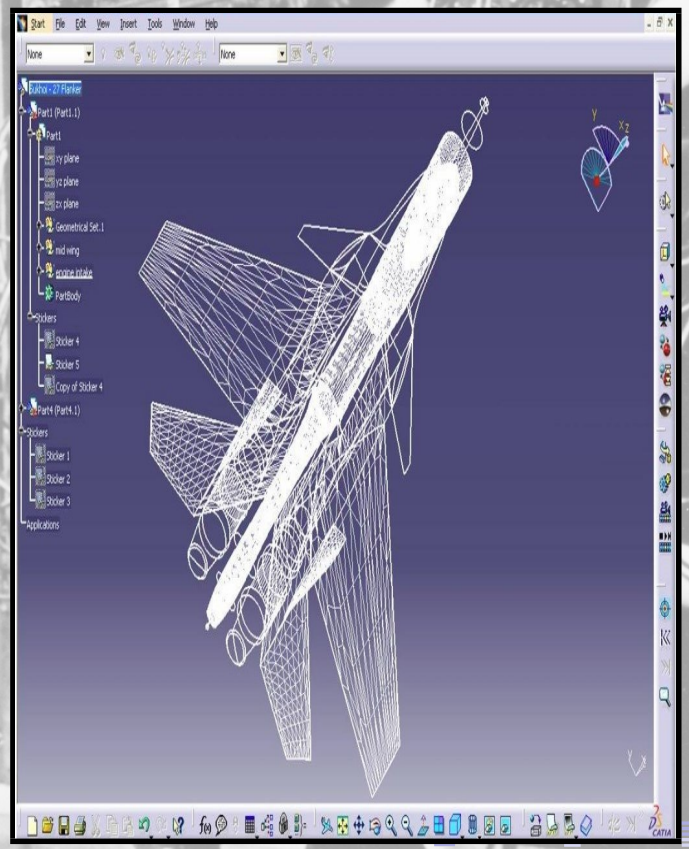

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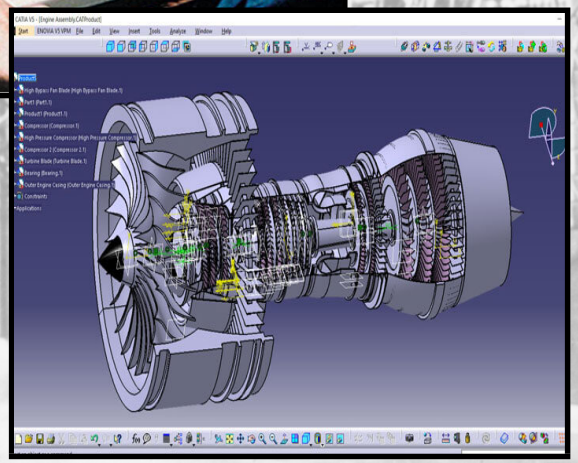

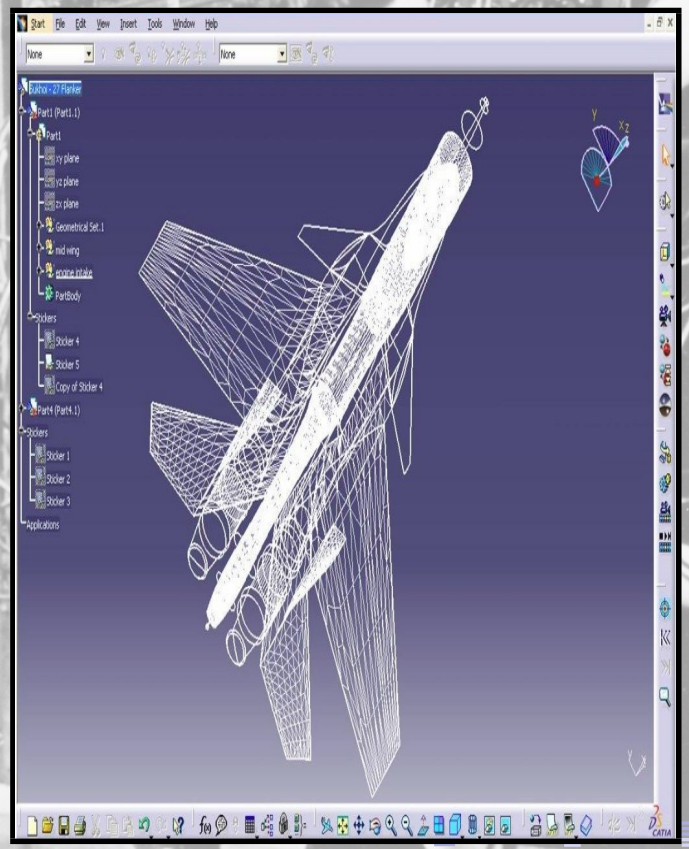

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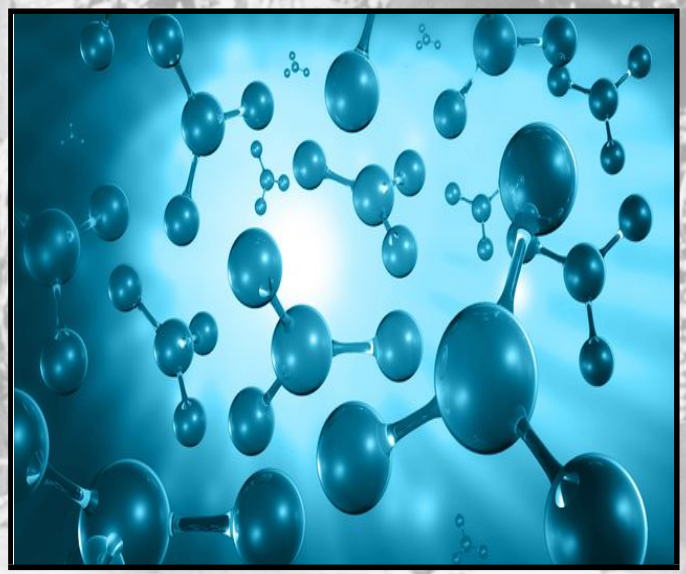

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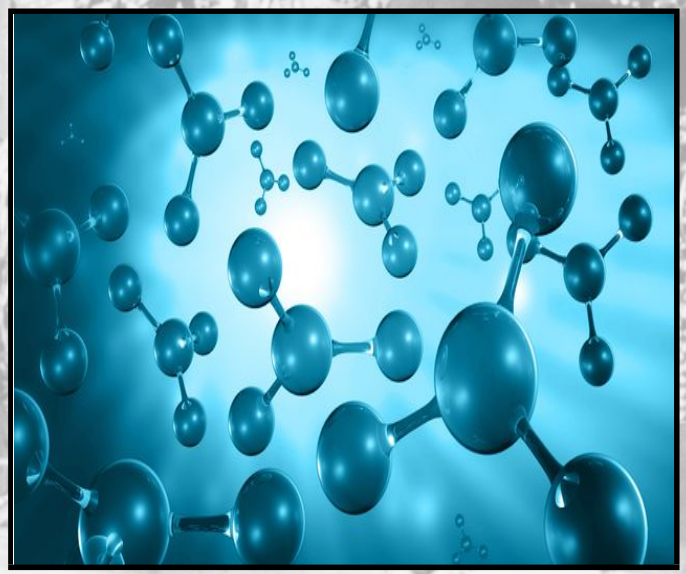

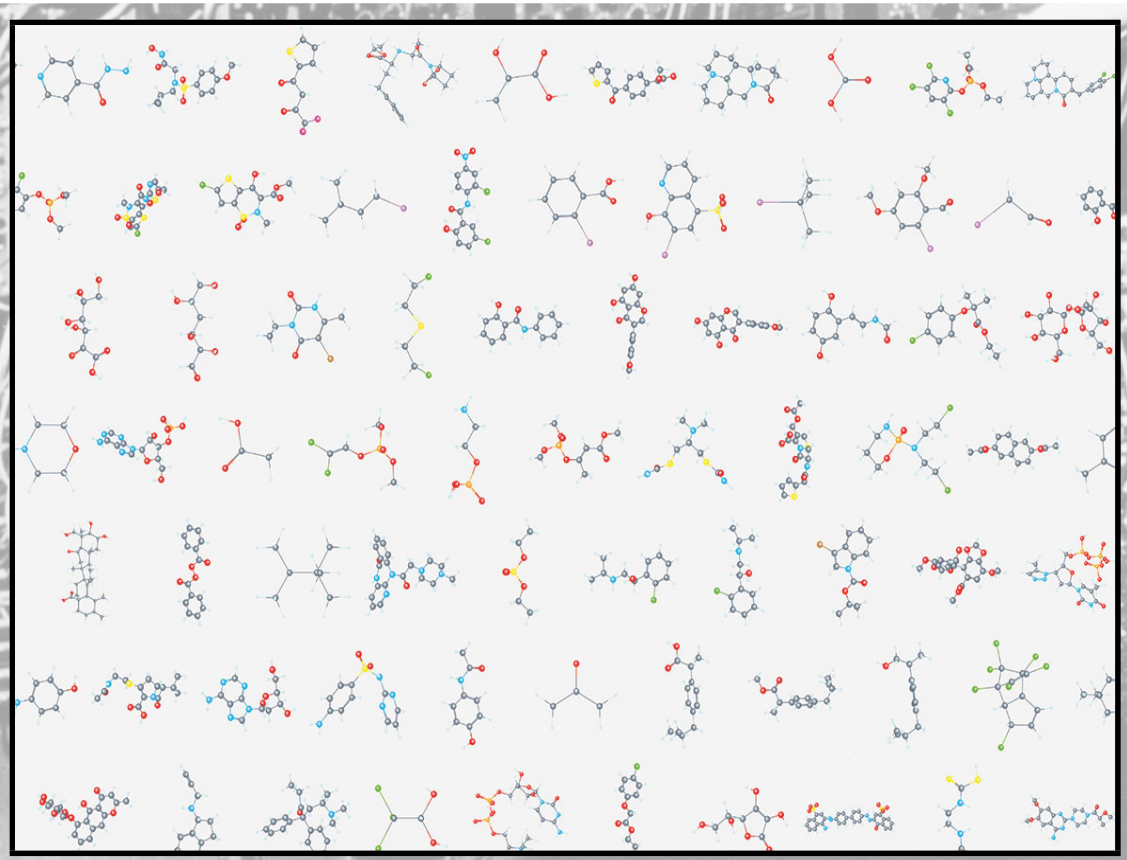

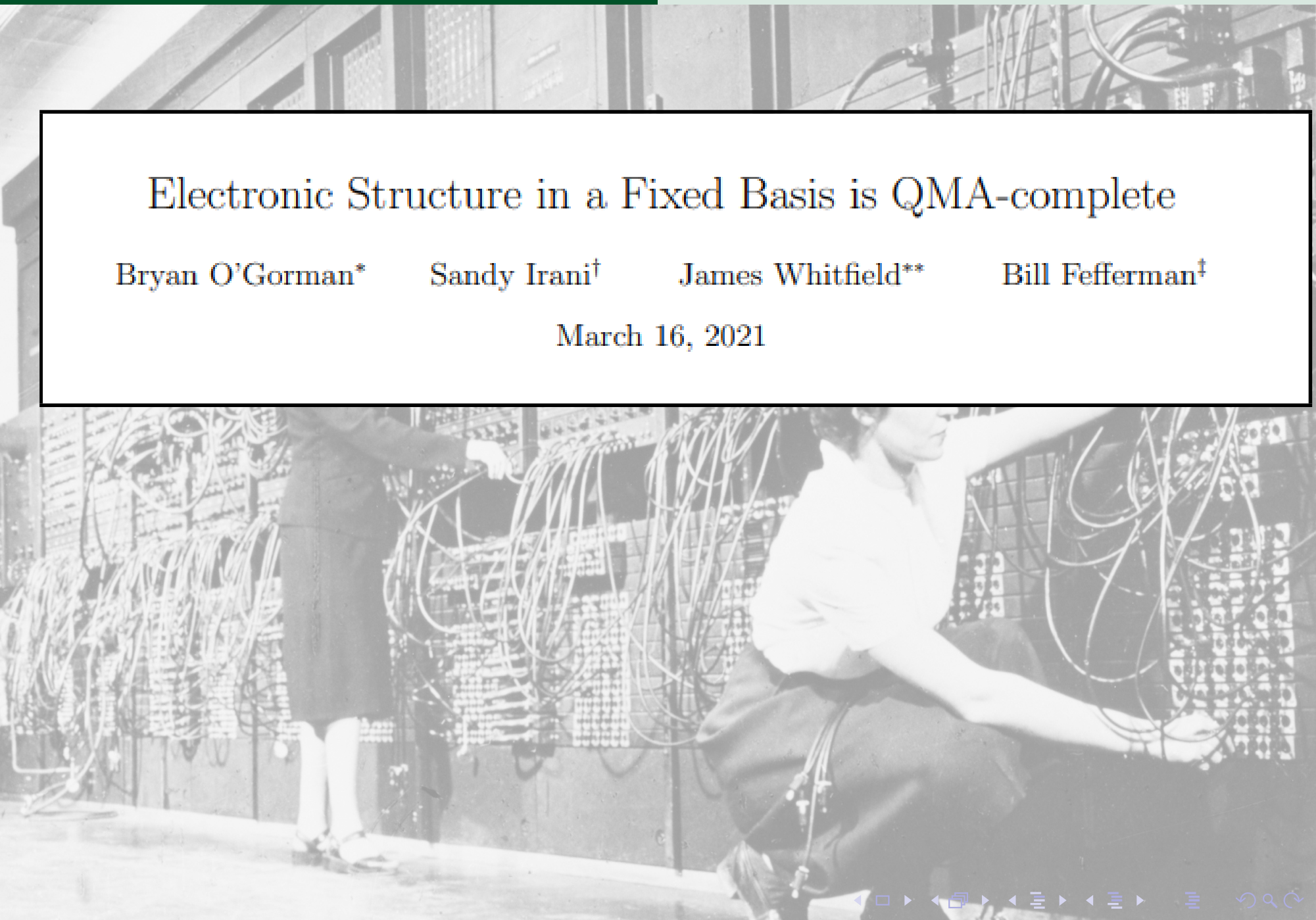

Electronic Structure in a Fixed Basis is QMA-complete

Bryan O'Gorman* Sandy Irani† James Whitfield** Bill Fefferman‡

March 16, 2021

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Asymptotically Good Quantum and Locally Testable Classical LDPC Codes

Pavel Panteleev and Gleb Kalachev*

January 24, 2022

About this Presention.

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Sounds Grate, Whats is the catch?

here you can put any text/equation etc. $a^2 + b^2 = c^2$.

Wait a minute.

here you can put any text/equation etc. $a^2 + b^2 = c^2$.

This is the second slide

A bit more information about this

Some random text.