

oueees-202106 topic 02:
Centralized communication

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On the internet

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Lecture notes and reporting

- <https://github.com/jj1wdx/ouees-202106-public/>
- Check out the README.md file and the issues!
- Keyword at the end of the talk
- URL for submitting the report at the end of the talk

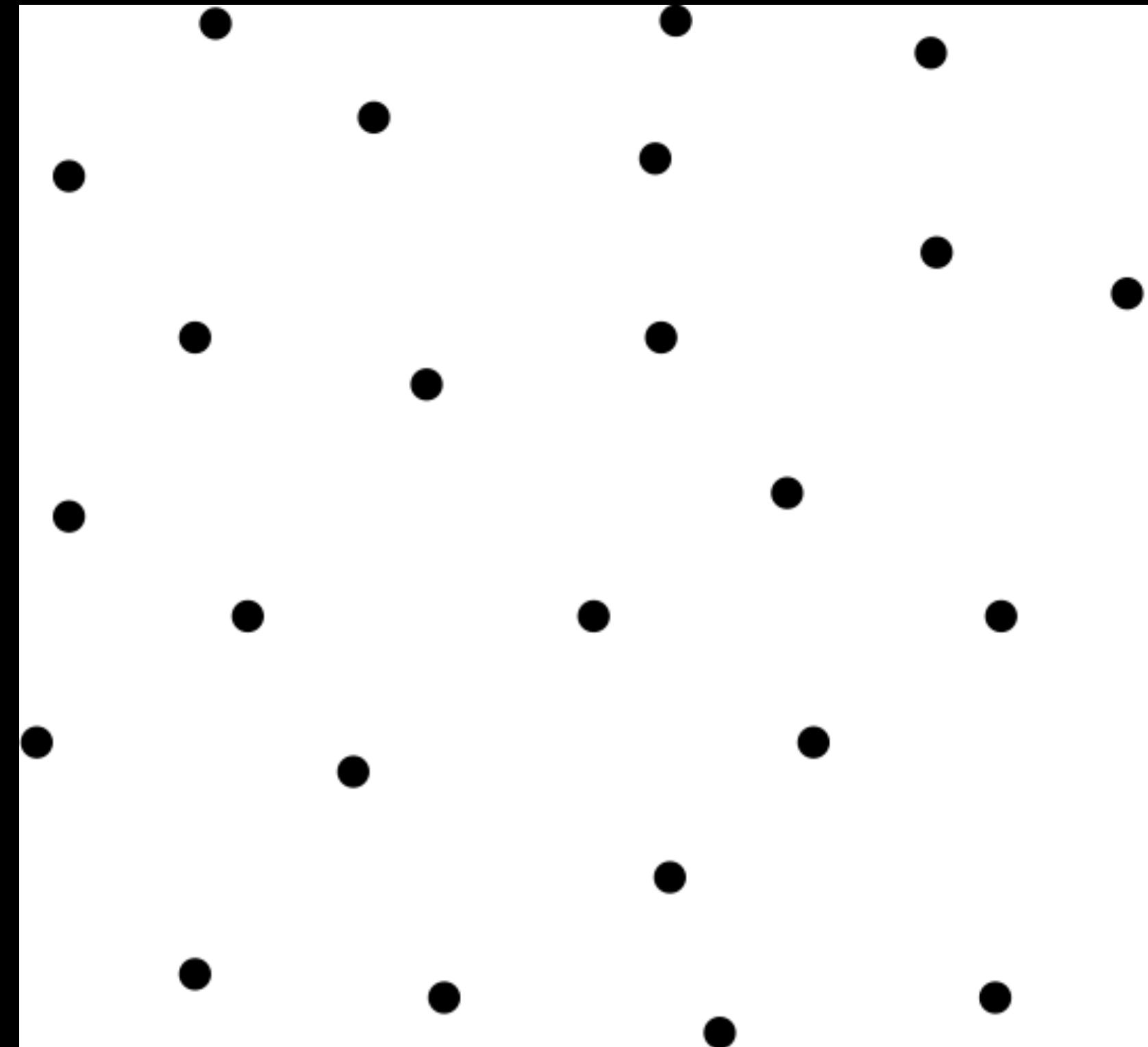
Topic of this video:
Centralized communication

Communication: sharing a medium

- Sharing a physical link between two or multiple parties
- *The physical layer*
- A medium could be: electric wires, optic fibers, radio airwaves, sound, flying birds like pigeons

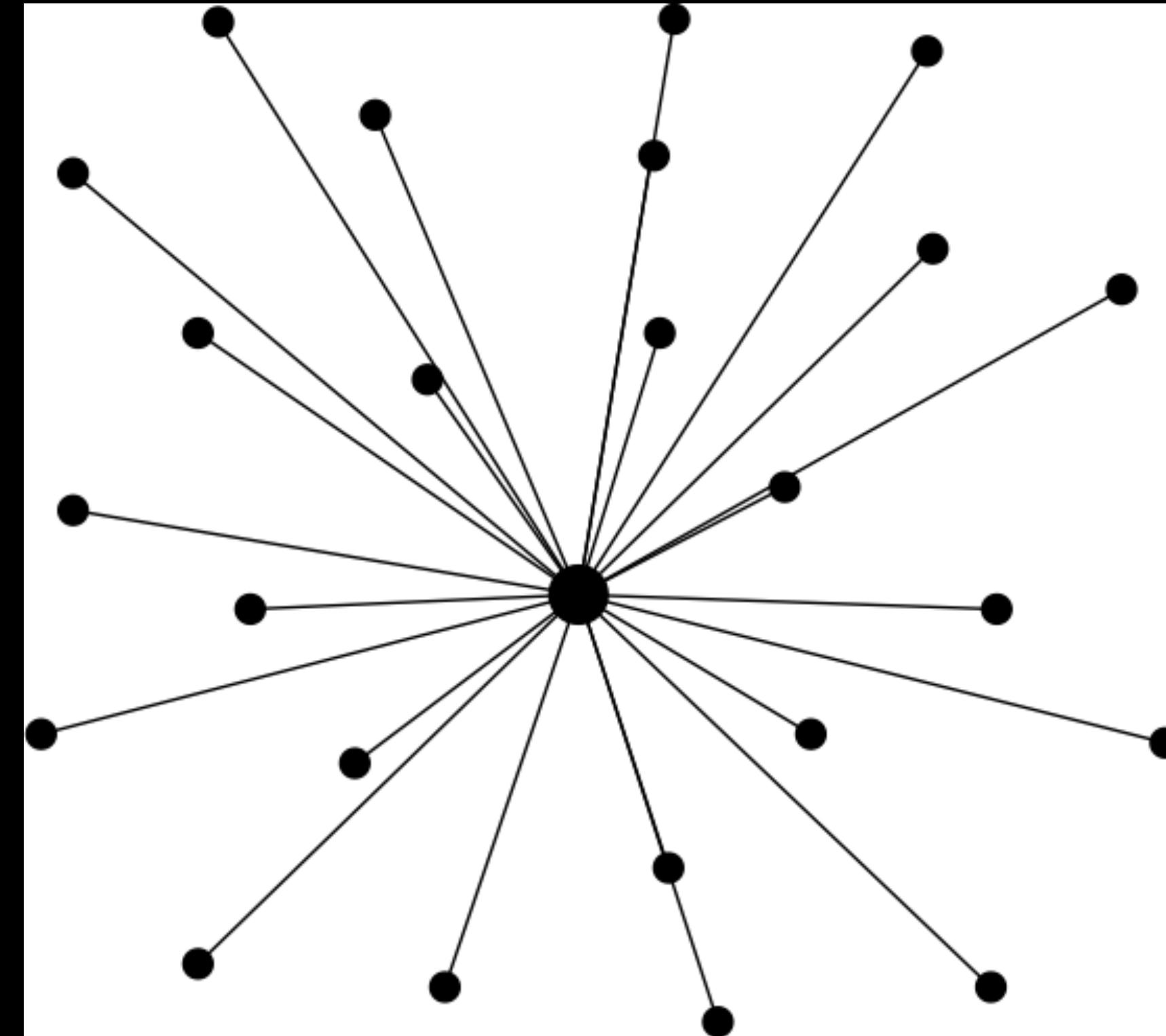
Connecting unconnected nodes

There are many ways to connect the dots in this picture



Simplest way: star/ centralized connection

- Centralized connection was the easiest way to connect the nodes
- Very much susceptible to network link failures
- Links should stay connected during the connection



The old Stockholm telephone tower in 1890



Fallen telephone lines by frost at Jönköping, Sweden, 1929



Tekniska museet in Stockholm (June 2018)



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