

A vibrant, abstract digital background featuring a grid of glowing blue and white dots, resembling binary code or a network. Interspersed among these are larger, semi-transparent colored circles in shades of red, orange, yellow, and green. Vertical lines of varying colors and thicknesses connect some of the dots, creating a sense of data flow or connectivity. The overall effect is futuristic and represents the digital world.

# **Introduction to Information Systems**

## **- Understanding the digital world**

### **10 The Internet**

**Liang Zhao**

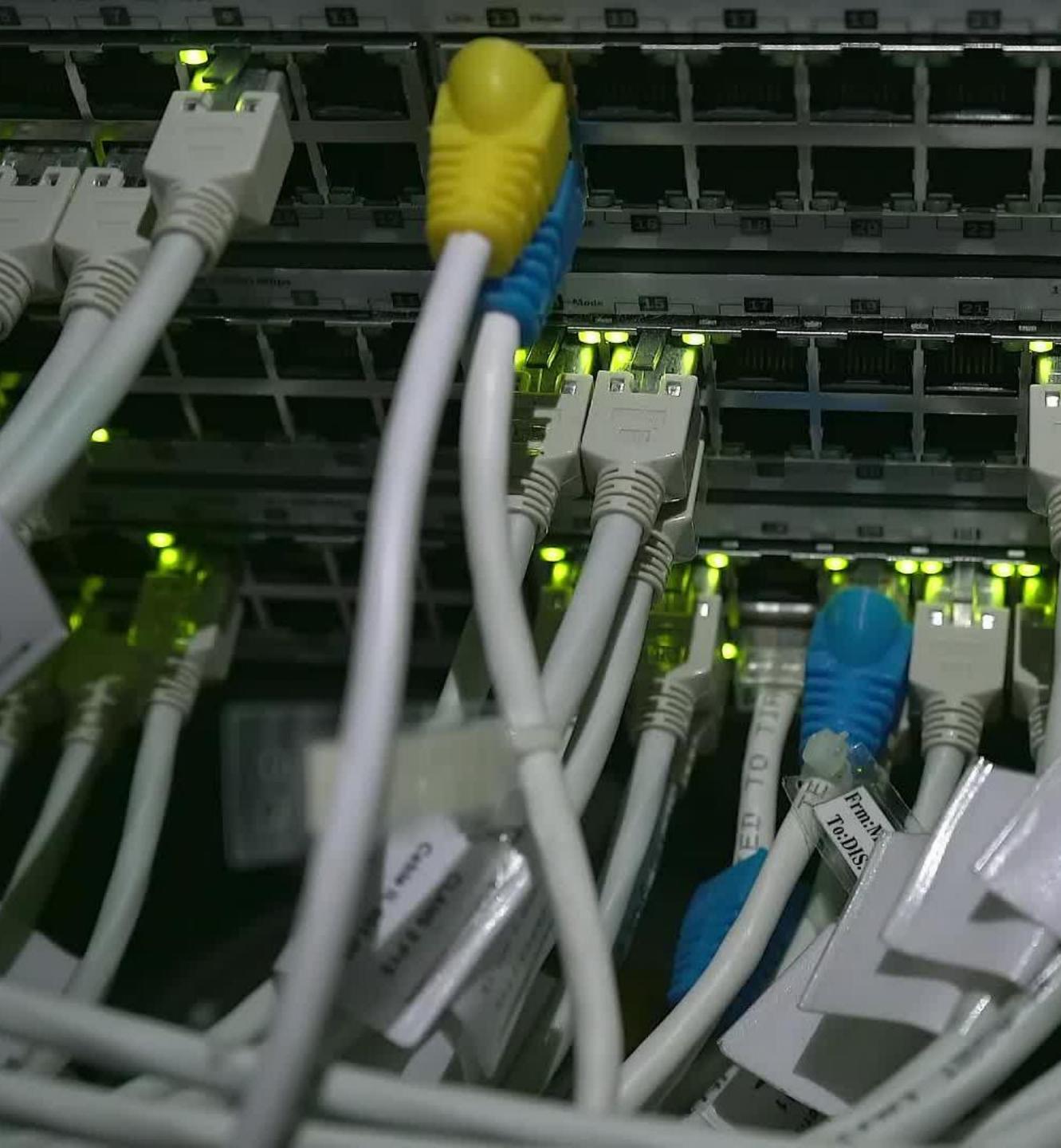
**ILA, Doshisha University**

**12001102, Fall, 2023**



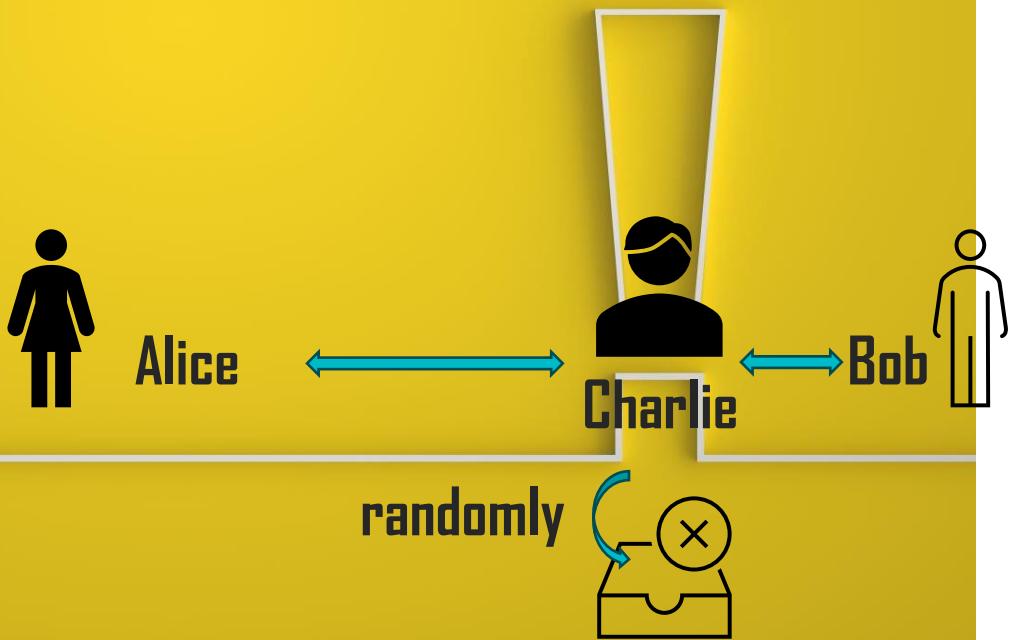
# Today's schedule

- Internet for beginners
- A game on message transmission
- More detail of the Internet
- Classwork and mini test #10
- Information and homework



# The Internet

- YouTube, Internet Basics for Beginners (28')  
<https://www.youtube.com/watch?v=aHsIRiRPXtk>



# A game on message transmission (20')

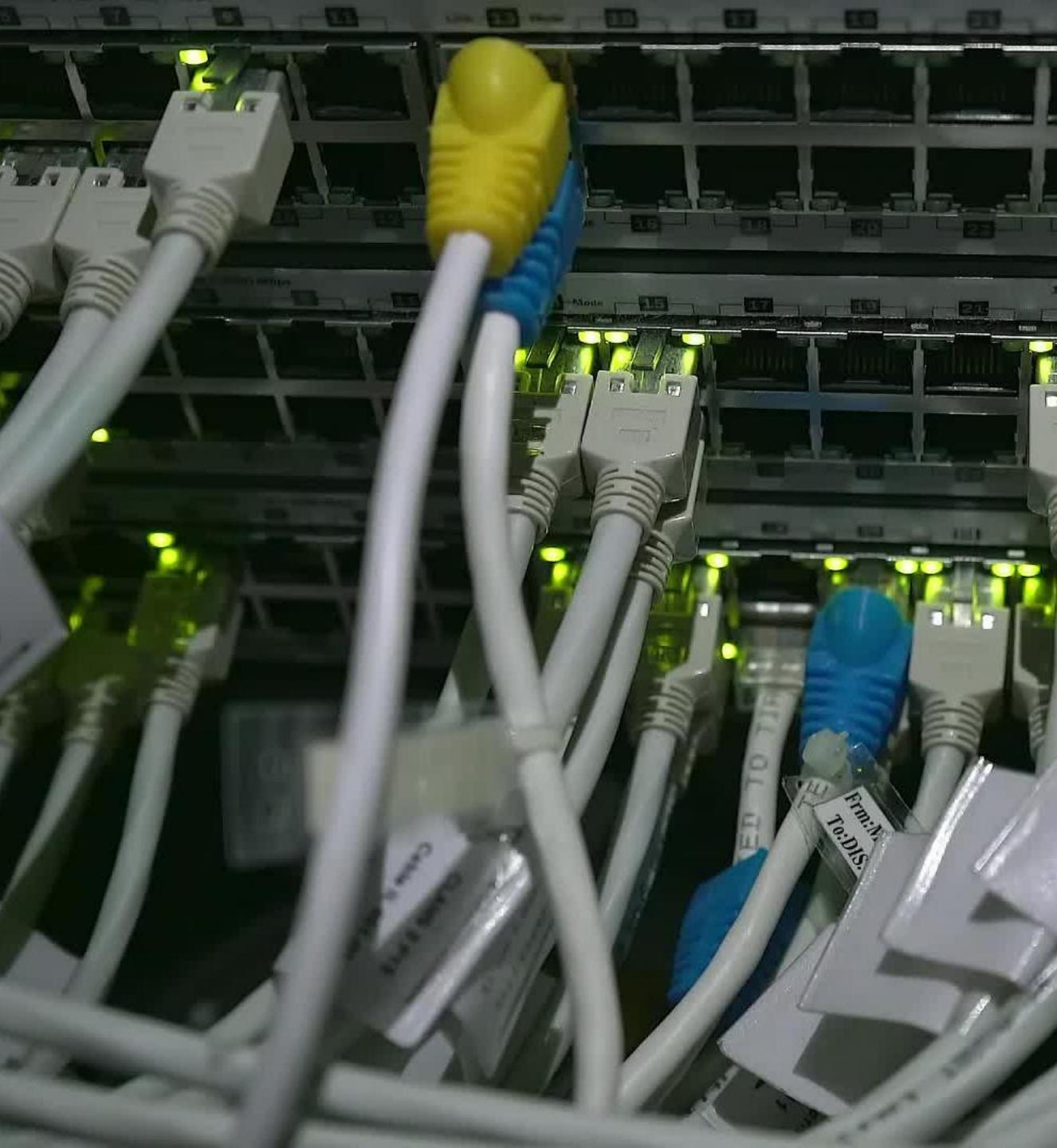
Players: Alice, Bob, and Charlie

## Rules

1. A or B can send messages to B or A via and only via C.
2. C may drop the message randomly (without notification to the sender).

## Task

- B wants to have a dinner with A on Saturday. How can he make it?



## A three-way solution to “make” it

- YouTube, Crash course, the Internet (12')  
[https://www.youtube.com/watch?v=A\\_EaKrq3SpW8](https://www.youtube.com/watch?v=A_EaKrq3SpW8)

You must use a Windows or Mac computer.

1. Open a command line (Search cmd. Mac: Finder -> Go -> Utilities -> Terminal)
2. ipconfig (Mac: ifconfig)
3. ping aw.gsais.kyoto-u.ac.jp (Win)  
ping -c 4 aw.gsais.kyoto-u.ac.jp (Mac)
4. nslookup g.gg
5. Whois: <https://www.whatismyip.com/ip-whois-lookup/>

## Classwork and mini test #10 (30')

# Information and homework

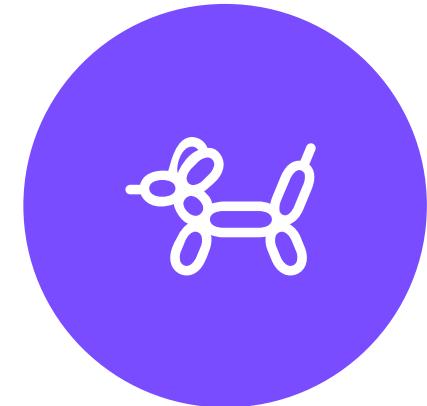
## More on the use of commands (optional)

### Windows

- <https://www.youtube.com/watch?v=iPk0X0rxIxY>
- <https://www.youtube.com/watch?v=JHWo6YTGYKM>
- <https://www.youtube.com/watch?v=rurs7cdT5cc>

### Mac

- [https://www.youtube.com/watch?v=WteF\\_RkgFnI](https://www.youtube.com/watch?v=WteF_RkgFnI)
- <https://www.youtube.com/watch?v=HQAkjBjSlfg>



READ CHAPTER 9