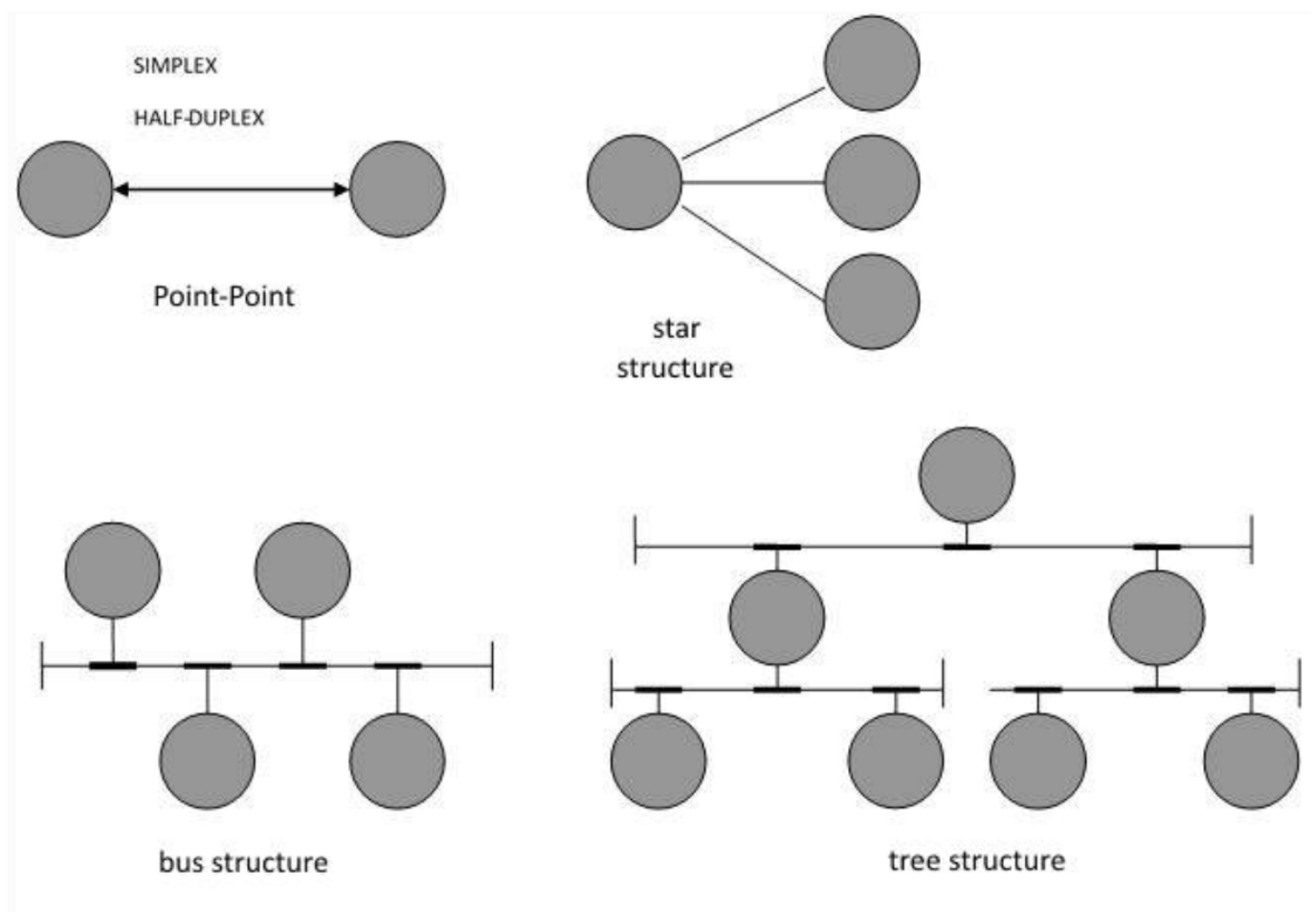


Communication structures refer to the layout of the existing communication groups and channels.

We would like to introduce the *four* best known types of layouts:

- **Point to Point:** this is the most straightforward. It only involves two participants. It may be 'simplex', meaning that only one participant communicates (therefore the process is only a one-way process). It may be 'full-duplex', which means that the communication partners can equally send information to each other (for example Skype, or Hangouts where the participants can talk simultaneously).
- **Star-structure:** In this case, the whole process is controlled by a main unit, and the other participants have to use this main unit to communicate with each other. Nowadays, modern routers and Wi-Fi work in this way.
- **Bus structure:** The participants send their messages through a shared channel (bus). Only one participant can send a message at a time; the others must wait until the transmission is completed.
- **Tree structure:** almost the same as a bus structure, but the whole layout also consists of hierarchy levels.

Of course mixed configurations are also well-known in these communication layouts.



From:
<https://edu.iit.uni-miskolc.hu/> - **Institute of Information Science - University of Miskolc**

Permanent link:
https://edu.iit.uni-miskolc.hu/tanszek:oktatas:techcomm:information_-_basics:basic_communication_structures

Last update: **2024/09/23 17:08**

