

External interruption

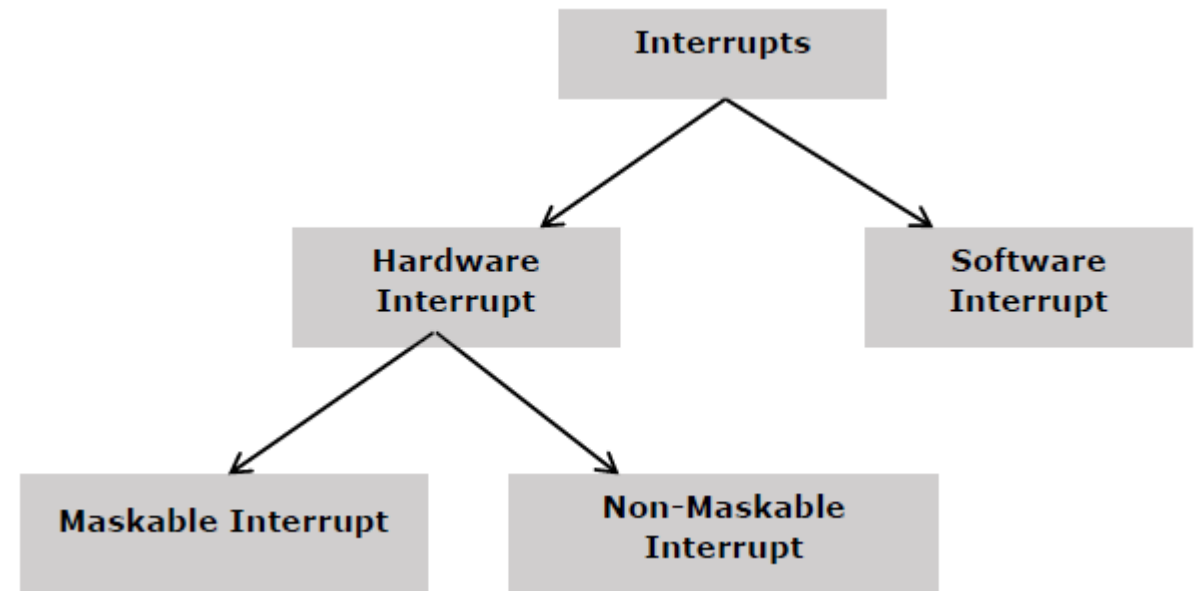
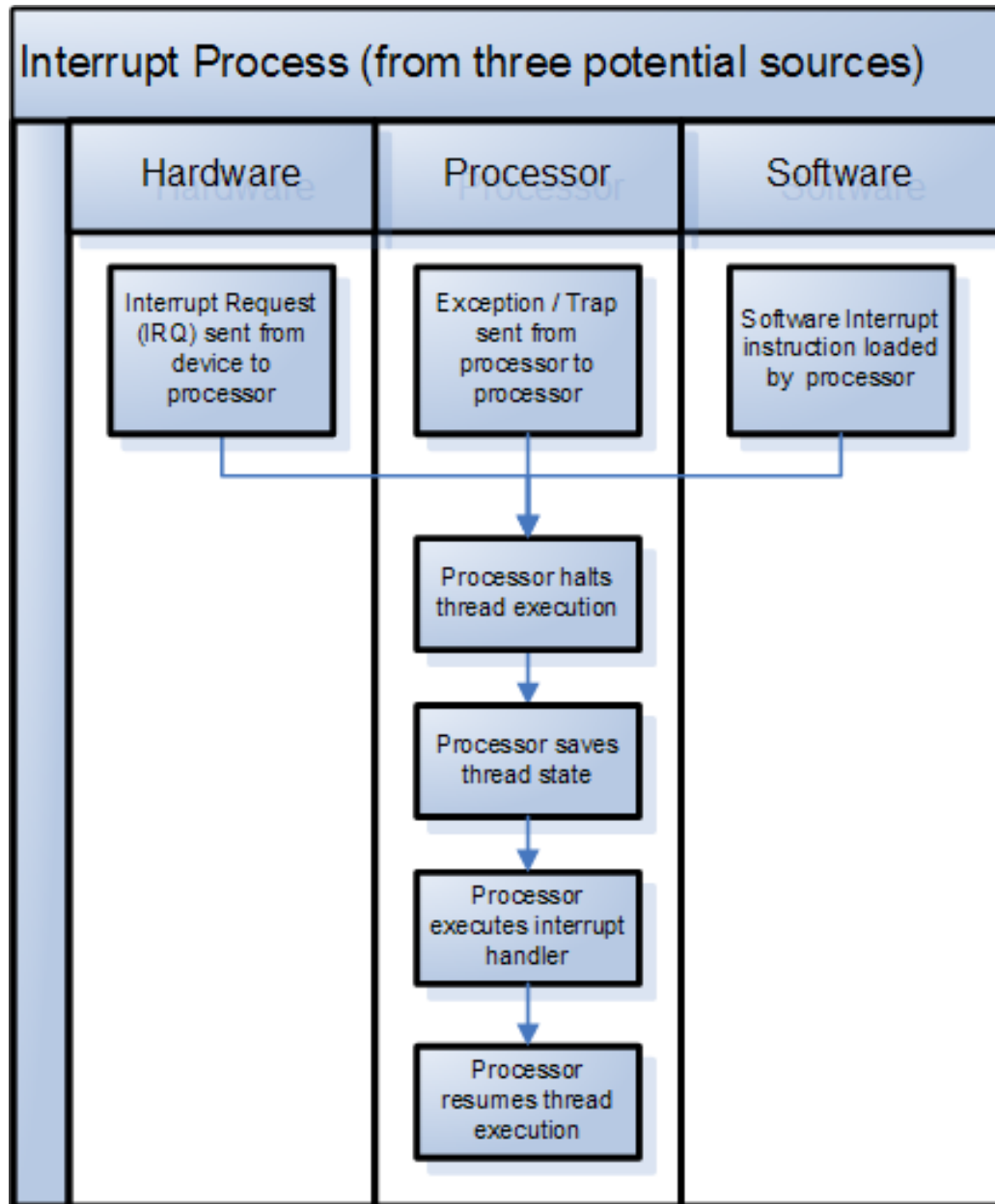
KukarcevKS, RCSE 4167 2018

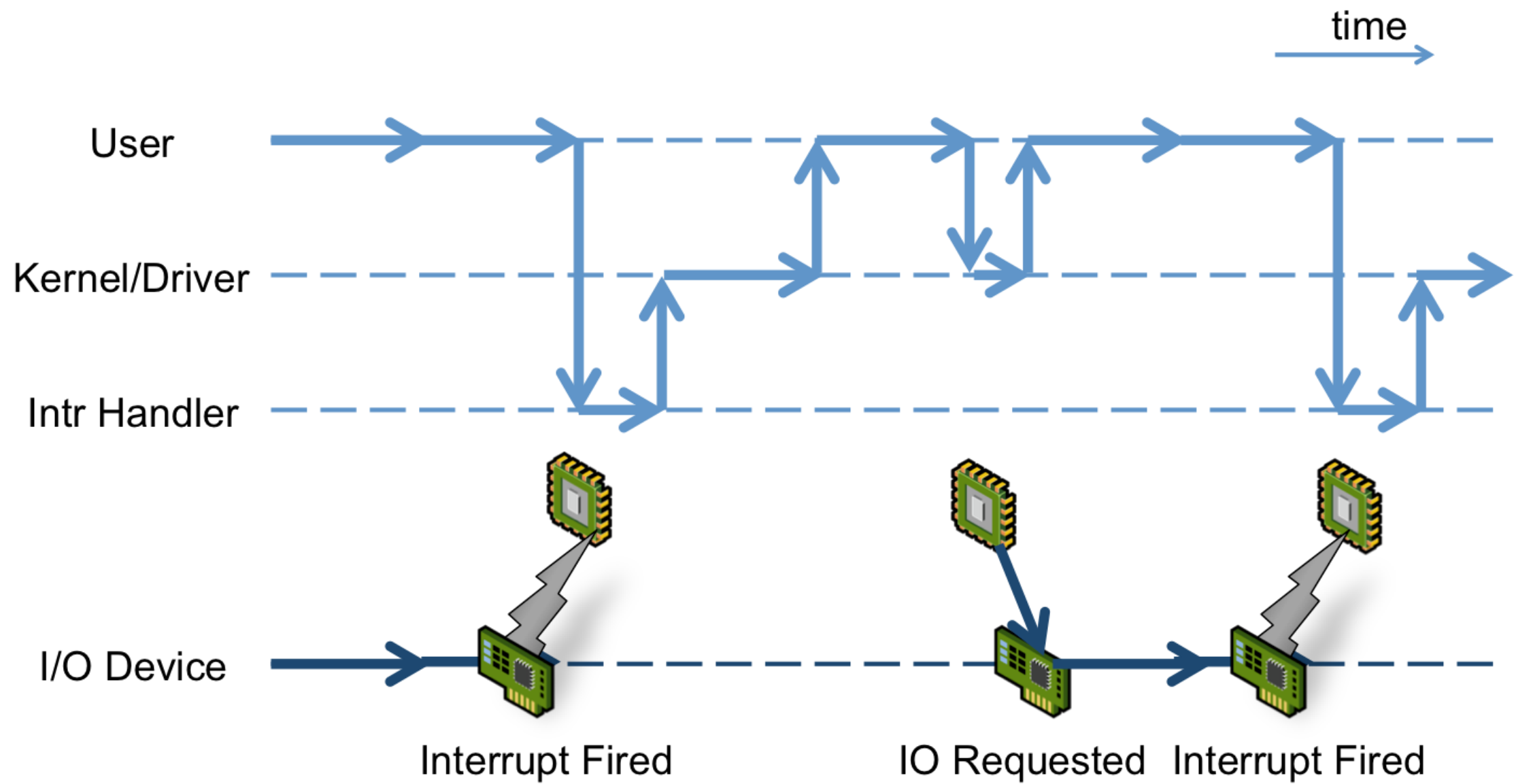
What is it?

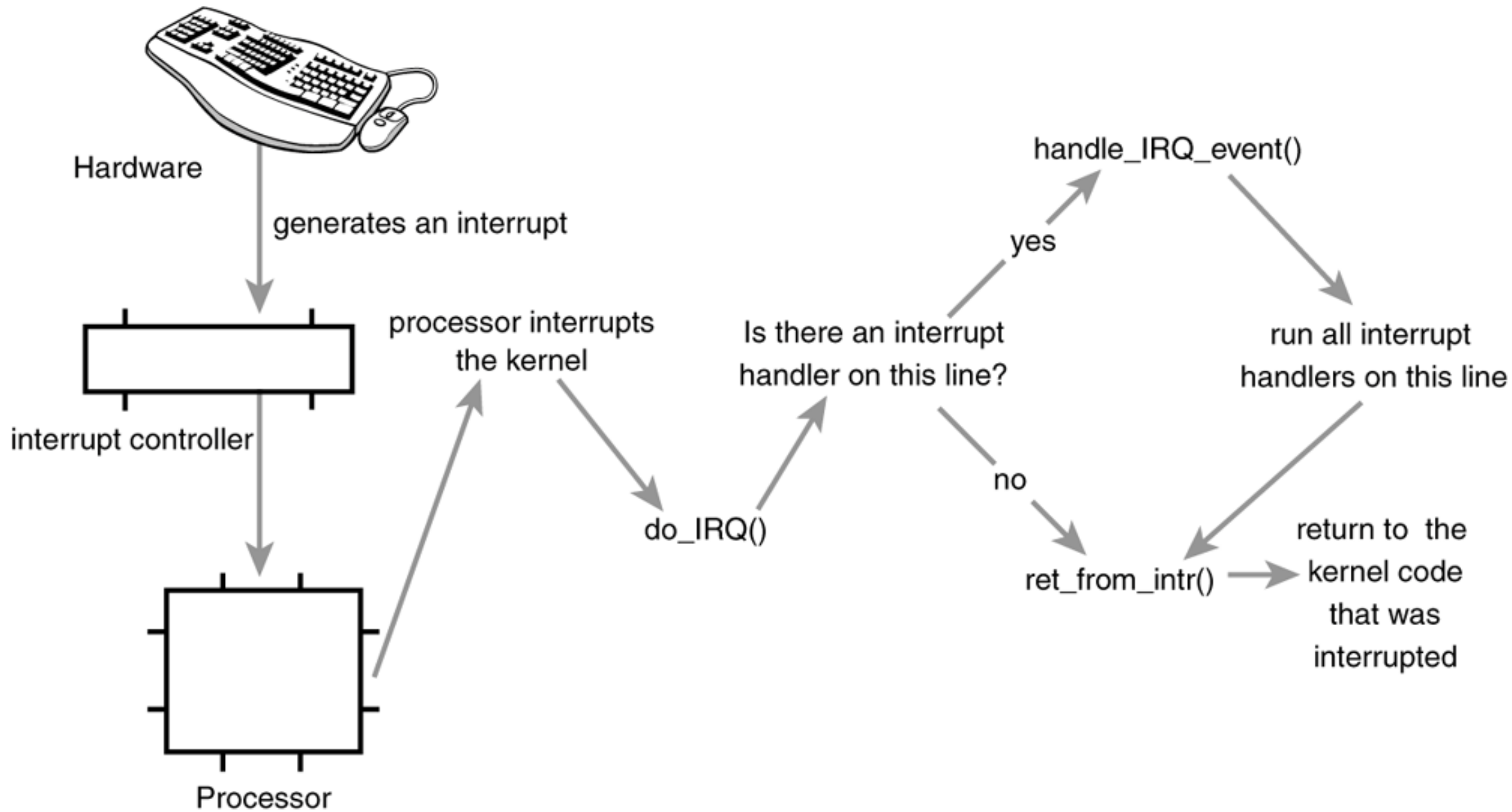
- Interrupt is a **signal** to the processor
- Emitted by **hardware** or **software**
- Indicates an **event**
- Always has **high-priority**
- Each interrupt has **interrupt handler**

Typical usage

- System timers
- Disk I/O
- Power-off signals
- Traps
- Network I/O
- Mouse movement
- Keyboard typing
- Different architecture emulation







External interrupts

- It's an interrupt happens from outside interference.
 1. From user
 2. From peripherals
 3. From hardware
 4. From network
- Can be produces automatically, as a computer reads through program instructions.

