Network Layer

- Network-layer Functions, Data Plane and Control Plane
  - Forwarding (data plane)
  - Routing (control plane)
  - Two approaches
    - per-router control (traditional)
    - logically centralized control (SDN)
- Software Defined Networking
- Components of SDN Controller
- OpenFlow Protocol
- Network Layer General Functions
  - Addressing
  - Error control
  - Flow control
  - QoS
- IPv4 Header
- Fragmentation