

Welcome to

**CS 3516:**  
*Computer Networks*

Prof. Yanhua Li

Time: 9:00am –9:50am M, T, R, and F

Location: AK219

Fall 2018 A-term

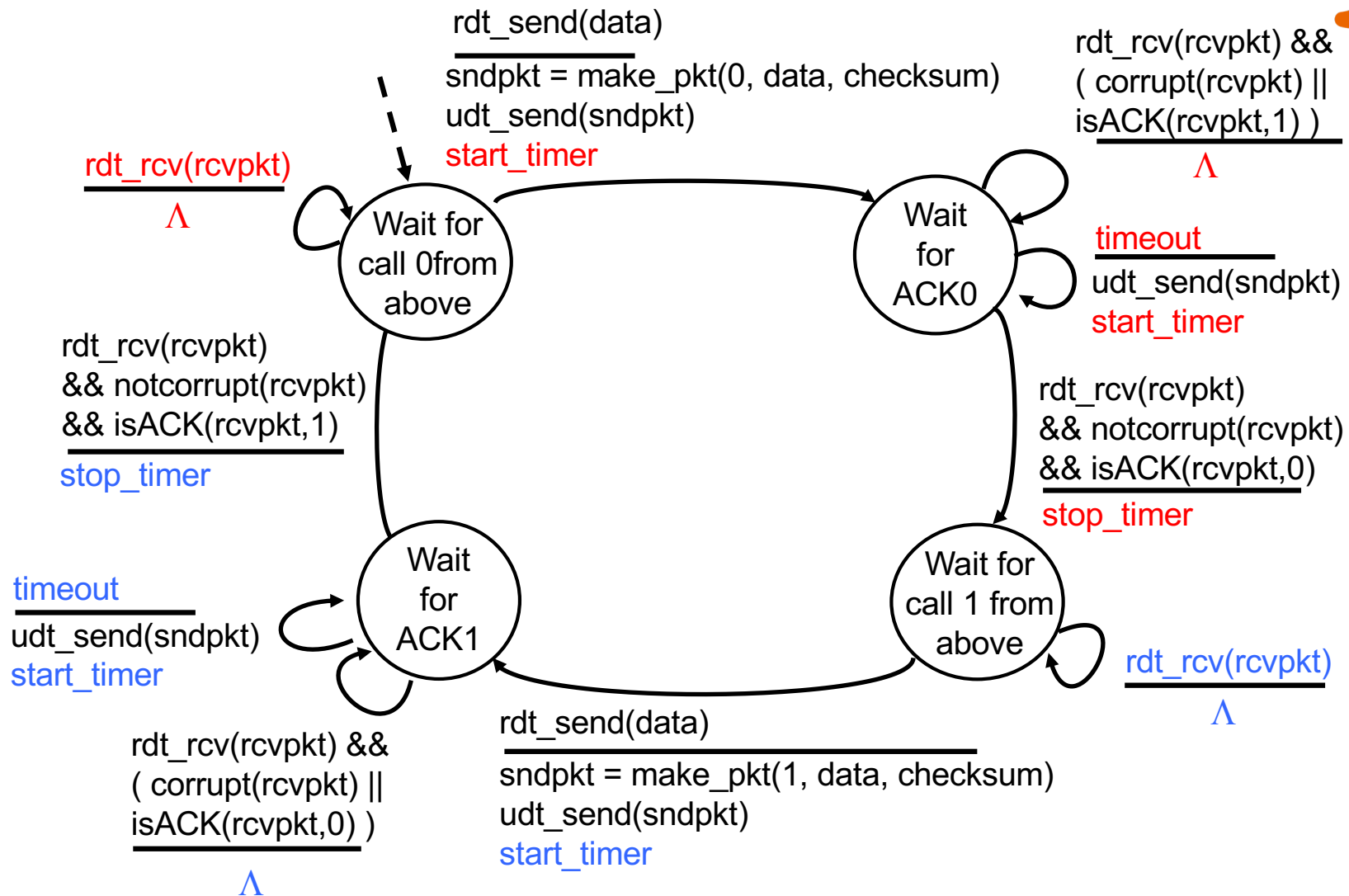
# Today

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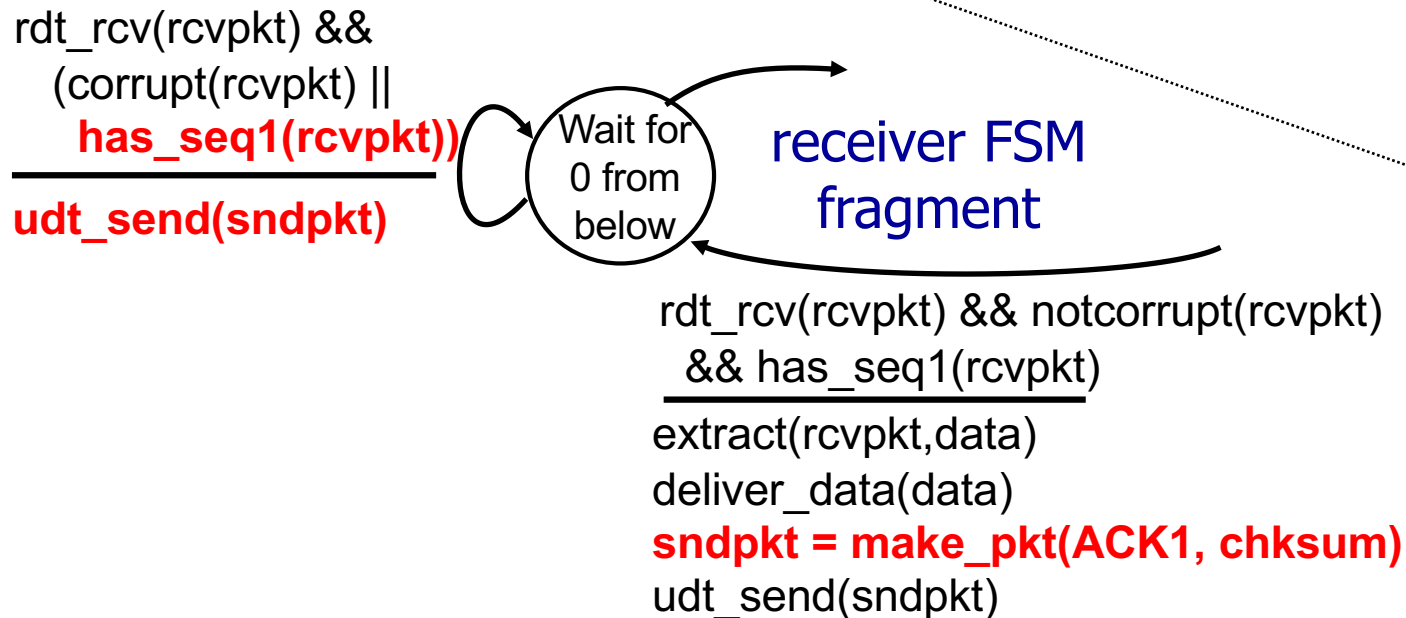
Project 2

Mid-term review

# rdt3.0 sender



# rdt3.0: receiver fragments



# Project 2

Rdt 3.0 = ABP (alternating bit protocol) is required

GBN (Go-Back-N) is encouraged

# Mid-term exam

6 questions in the exam,

50 minutes

32 points + 3 bonus points.

Closed book, 1 A4 2-sided cheat sheet.

# Mid-term exam

Q1: Network performance: packet delay

Q2: HTTP

Q3: RDT

Q4: Transport layer protocol intro, UDP

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Q5: Network performance: packet delay

Q6: DNS

# Q4 in Sample Questions:

## Message Segmentation

- Without Message Seg
- 1. If there is a *single bit error*, the whole message has to be retransmitted
- 2. huge packets are sent into the network. Smaller packets have to queue behind enormous packets and *suffer unfair delays*
- With Message Seg
- 1. Packets have to be put in sequence at the destination
- 2. The total amount of header bytes is more (1 point).
- 3. Lower total delay



Good Luck to your mid-term exam