

Network Security

6CCS3NSE / 7CCSMNSE

Diego Sempredoni
(Kudos L. Vigano)

Department of Informatics
King's College London, UK

Protocols

Revision and possible exam questions: IPsec

- 1 Which are the 3 main subprotocols of IPsec and what security properties do they provide?
- 2 Describe at least 3 benefits of using IPsec.
- 3 In the context of IPsec, what is a Security Association?
- 4 What is the role of the databases SAD and SPD in IPsec?
- 5 Describe how IPsec processes outbound and inbound traffic.
- 6 Describe how the protocol AH works in transport mode and how it works in tunnel mode.
- 7 Describe how the protocol ESP works in transport mode and how it works in tunnel mode (consider only the case of IPv4).