## Digital Signatures and Confidentiality

Ksa Alice's Secret Key



Kpa, Kpb public keys



- 1. Alice generates an asymmetric session key k
- 2. Use both symmetric and asymmetric cryptography to encrypt, sign and verify the message and the key

 $E_{Kpb}(k) \parallel E_k(m \parallel E_{Ksa}(H(m)))$