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Exercise for the lecture
Wireless Sensor Networks
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Sheet 3

EXERCISE 4:
Consider the WPAN protocol layer of IEEE 802.15.4.

1. Which MAC protocols are used by 802.15.4? Verify your claim by downloading and referring to the standards document.

2. Discuss the differences and advantages of the slotted and unspotted version of the MAC protocols used in 802.15.4.

3. Does 802.15.4 use RTS/CTS messages and why is it so?

4. What is the back off algorithm used by 802.15.4?

5. Which other wireless IEEE standard is using RTS/CTS messages? Is RTS/CTS wide-spread?