Wireless Sensor Networks Hw 1

Please first read the article below:

 "Jason Hill, Robert Szewczyk, Alec Woo, Seth Hollar, David Culler, and Kristofer Pister. 2000. System architecture directions for networked sensors. *SIGPLAN Not.* 35, 11 (November 2000), 93-104. DOI=10.1145/356989.356998 http://doi.acm.org/10.1145/356989.356998"

Answer the questions from this article:

1. What are the bottlenecks of the TinyOS enabled networked sensor architecture?
2. Is it a requirement to form the communication across the components as function calls? Is it really an advantage to use function calls?
3. What are the characteristic requirements of networked sensor systems?
4. Why an Harvard architecture is chosen for sensor nodes?
5. TinyOS is designed as asynchronous event driven OS. Can it be designed as synchronous or a cycle(period)-driven OS?

Deadline: 4.April.2014

Submission: Please send your homework to Res. Asst. Murat Kurt to the following e-mails:

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