

188 721 Embedded Real-Time Systems

Assignment #1 (individual)

(Due: Monday June 27, 2011)

Read the research paper titled “**Smart Clothing Prototype for the Arctic Environment**” by *J. Rantanen, J. Impio, T. Karinsalo, M. Malmivaara, A. Reho, M. Tasanen and J. Vanhala*.

The paper can be downloaded from course webpage.

<http://gear.kku.ac.th/~watis/courses/188721/188721.html>

Submit a **hand-written** summary of the paper. The content should fit within one A4 paper. In addition to the summary, attach another paper for your answer to the following questions:

1. What are the reasons for inventing such a cloth?
2. Why is it called “**smart**” cloth?
3. Is the idea of smart cloth novel?, if not, state the previous works.
4. Who are potential users of this design? Why?
5. What are the advantages and disadvantages of this work?