Robotics in Construction Automation

Assignment 3

Due : Mar 20 2008 2:20pm

Assigned Reading

Kolera, T. B. and Bernol, E. L. (2006). "Intelligent Utility Locating Tool for Excavators," *Journal of Construction Engineering and Management*, 132(9), pp.919-927

Description

Please read the assigned reading and answer the following questions. The answers need to be clear and straight to the point. Each answer can be a short paragraph but should be limited within 300 words and one page (including figures). If you refer any material other than this assigned reading, please cite the reference as a footnote. Please submit the assignment before the due date before the class and please list your name and school number in the right-upper corner of the first page.

Questions

1. Why do the locating tool is important to an excavator?

2. Can you list at least two limitations when we use EMPI to sense subsurface objects?

3. Please explain the meaning of "fish-finder" type technology mentioned in the conclusion of the paper.