Lab 4 – Sensors: Report and Presentation Outline

Report:

The report should contain two sections (for the thermistor and potentiometer) and include the following for each:

1. Introduction
2. Experimental Method and Materials
3. Results (as per the lab manual)
4. Discussion
5. Conclusions

Presentation:

You should prepare and deliver an 8 – 10 power-point presentation which should recorded via the Record function in PowerPoint. You should share the presentation on the main screen but you need also to be visible using the Cameo function for the full duration of the presentation.

The presentation should be based on one of the two sensors that you examined in labs out (you can decide which one). The presentation should:

1. Describe the principle of operation of the chosen sensor.
2. Explain what is meant by non-linearity and why it is an important parameter for a sensor.
3. Give an overview of the experimental procedure including a brief description of either LabVIEW or Multisim Live whichever is appropriate.
4. Present the results of the experiment.
5. Analyse the results as appropriate.
6. Include conclusions and a discussion

The recording should be uploaded to Moodle in the submission area before Friday 9th December at 1200hrs.

Please note the Measurement Systems presentation needs to be completed and uploaded to Moodle in addition to the Sensors lab report.