EG3521 – Engineering Thermodynamics (Continuous Assessment) **April, 2015**

Comments on the *Continuous Assessment Activities* – Group 13

1. Report:

   (a) The main aim of *Abstracts* is to briefly describe the work undertaken by the author. In general *Abstracts* are divided in 4 parts: (i) motivation, (ii) main objectives, (iii) summary of the main procedures / techniques / technologies (optional) and (iv) main findings.

   (b) The main *Introduction* section usually has the same (but more in-depth and descriptive) four parts of the *Abstract* and a brief summary of the remaining of the work. In addition, it is always expected a few clear statements -re main background (thus recent innovations related to the main topic), initial literature review and, most of all, technological / scientific gaps in the current understanding. Also, it is expected a summary of the remaining sections at the end of the *Introduction*.

   (c) It's not made clear who the authors of the original paper actually are.

   (d) Figures taken from other sources should be referenced.

   (e) Figure captions should explain what is shown in the figure.

   (f) Numbers for equations should be parallel to equation and not on the line above.

   (g) Good number of references, but inconsistent font usage in bibliography.

   (h) Avoid using *colloquial (informal / personal)* writing.

   (i) Regardless of the chosen citation style (e.g., ACS, AIP, AMS, IEEE, AIAA, etc) any reference **must** contain the following fields:

      i. For journal papers: Authors, Paper Tittle, Journal Name, Volume, Pages, Year of publication;

      ii. For books: Authors, Book Tittle, Publisher, Year or Edition;

      iii. For book chapters: Authors, Chapter Tittle, Book Tittle, Editors, Publisher, Year or Edition;

      iv. For conference papers: Authors, Paper Tittle, Conference Tittle, Place (Country and/or City) where the conference was held, Year of the conference;

      v. For reports, private communications and Lecture Notes: Authors, Tittle, Place issued (Country and/or City and Institution where the document was originated), Year;

      vi. For PhD Thesis and MSc Dissertations: Author, Tittle, Institution (University and Department/School), Year.

      Thus, for example:

      [1] P.L. Houtekamer and L. Mitchell, 'Data Assimilation Using an Ensemble Kalman Filter Technique', *Monthly Weather Review*, 126:796-811, 1998.

[2] K. Pruess, 'Numerical Modelling of Gas Migration at a Proposed Repository for Low and Intermediate Level Nuclear Wastes', Technical Report LBL-25413, Lawrence Berkeley Laboratory, Berkeley (USA), 1990.

[3] K. Aziz, A. Settari, *Fundamentals of Reservoir Simulation*, Elsevier Applied Science Publishers, New York (USA), 1986.

[4] R.B. Lowrie, 'Compact higher-Order Numerical Methods for Hyperbolic Conservation Laws', PhD Thesis, Department of Aerospace Engineering and Scientific Computing, University of Michigan (USA), 1996.

2. Oral Presentation:

   (a) Do NOT read from notes and/or screen. Look at and interact with your audience.

   (b) Graphics used appropriately to illustrate technical concepts to a general audience.

   (c) Good authority and confidence in delivery.

   (d) All figures must have a caption.

   (e) Dont overcrowd a slide with too many words. This makes it harder for the audience to follow and eventually cause them to lose interest.

   (f) Good attitude and enthusiasm.

   (g) Simple neat slide design.