

# Outline of the seminar

- 1) **Introduction [min 1page, max 2 pages]**: e.g. describe why the technology is important, when was proposed/discovered,...
- 2) **Theoretical background and principles of operation [min 4 pages, max 6 pages]**: describe the physical principles of operation, providing numbers and order of magnitude of the parameters detected/controlled.
- 3) **Design details** of devices/tools based on the technology/theoretical principles described in 2). Whenever possible, include e.g.: dimensions, geometry, structure, materials, methods of fabrication, integration difficulties/challenges. **[min 4 pages, max 6 pages]**
- 4) Reference groups working on the subject in Portugal and also some reference group(s) worldwide
- 5) Conclusions
- 6) Bibliography.

## Classification criteria

1. Knowledge and understanding of the subject
2. Organization and ability to summarize
3. Quality of the comments to the revised literature (eg. additional calculations/simulations)
4. General quality of the text and figures
5. Bibliography quality