

### ***Technical Essay***

The essay can be on a subject of your choice provided that it is related to fluid power. It should be in the form of a technical review, based on published information. The report should be pitched at a technical level suitable for a graduate engineer or a final year colleague. This exercise is similar to a conference where a technical paper is published and presented orally to an audience. The essay should be between 2000 and 3000 words long.

You can use the Library and/or the Internet for sources of information. These sources should be clearly referenced. It is important that more than one source of information is used and referred to, and that you do not copy directly from these sources. Instead, they should form a basis of a critical review or discussion.

Illustrations should be included, and these may be reproduced directly from your sources, provided that the sources are properly referenced.

Some examples of previous topics are:

- Hydraulically operated lock gates for the Panama Canal.
- The cardiovascular system as a hydraulic system.
- The Trans-Canadian Pipeline.
- Hydraulic bicycle brakes.

#### ***Some useful sources of information***

From the library:

- Hydraulics and Pneumatics textbooks.
- Proceedings of the National Conference on Fluid Power.
- Proceedings of the Bath International Fluid Power Workshop.

From the WWW:

- <http://www.bfpa.co.uk/>
- <http://fluid.power.net/>
- Proceedings of IMechE – Part A <http://pep.metapress.com/content/0957-6509/>
- Proceedings of IMechE – Part I: <http://pep.metapress.com/content/0959-6518/>