**Master thesis and summer workers** **position**

**(2 positions)**

Aalto University School of Engineering, Department of Mechanical Engineering**, Fluid Power research group** invites applications for a *Summer worker* and *Master thesis positions*. The candidate is expected to be familiar with practical installations and measurements laboratory equipment. Good command of Matlab/Simulink is considered as advantage in position.

The candidate will be employed in project as part of the hydraulic team. Hydraulic team is working on further development and use of zonal hydraulic concept for the electrification of existing non-road mobile machines (NRMMs) and stationary applications. The zonal hydraulic concept is based on **Direct Driven Hydraulics (DDH) approach**. This technology approach combines the advantages of the electric and hydraulic technologies leading to increased controllability.

A successful applicant should have experience and strong motivation. A strong candidate will be offered a Master thesis position after completing summer work. The M.Sc.Student is expected to allocate a part of her/his time on writing thesis within 6 months and article.

After successful selection, the summer worker/Master student will receive, a salary determined according to the regulations of Aalto University.

Applicants close to completion of their 40 credits will also be considered to start their Master thesis.

**How to apply**

Please send your application as PDF files **by March 31, 2019** to email: tatiana.minav@aalto.fi

The application in PDF files should include:

- Curriculum vitae (CV) including detailed contact information
- B.Sc Degree certificates (if not received in Finland or not in English, a certificated English translation)

- Transcript of completed courses during B.Sc and M.Sc.
- Contact information of referee(s)

All material should be submitted in English/Finnish.

For additional information, please contact:

D.Sc. Tatiana Minav, tatiana.minav@aalto.fi (electrification of off-road machinery)