



## Mechanical Design Engineer

The Electrical Machines Laboratory is seeking a Mechanical/Mechatronic Engineer/Student to assist with aspects regarding mechanical design, procurement, assembly, and integration of various ongoing projects.

The primary function of this position is to design and develop mechanical components and support the entire project cycle from concept development to installation.

**Commencement of duties and time frame:** February – June 2023

**Full remuneration will be provided for the 5-month period.**

### Tasks

- Mechanical Design Engineering – Use mechanical engineering fundamentals, analysis, and CAD design software to create mechanical design concepts, components, and prototypes.
- Work with component suppliers to specify and acquire quotes for machine components.
- Provide frequent communication to the Project Manager(s)/Electrical Engineer(s) regarding project execution status.
- Support with machine assembly and testing.

### Requirements

- Obtained or working towards a degree in Mechanical/Mechatronic Engineering.
- Strong mechanical aptitude and ability to conceptualize and create mechanical designs.
- Proficiency in using CAD design software (Autodesk Inventor highly preferred).
- Valid driver's license (manual transmission).
- Organized and detail oriented.
- Ability to effectively handle multiple projects.

**Enquiries:** Send a letter of application, accompanied by your curriculum vitae, to:

Prof Maarten Kamper  
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