

Are you the enthusiastic, talented graduate intern we're looking for?

Develop and optimize the drivetrain of a measurement setup used for controlled testing. The assignment focuses on understanding and decoupling drivetrain characteristics from the measured behavior, while improving the robustness and effectiveness of the current measurement approach.

Your Responsibilities

As an intern, you will:

- Take the lead for this assignment.
- Analyze the current measurement setup and identify key drivetrain characteristics (e.g., stiffness, inertia, friction, compliance).
- Investigate how drivetrain behavior influences measured parameters and identify sources of measurement bias or variation.
- Design and develop drivetrain concepts that enable clear distinction between system-under-test behavior and drivetrain effects.
- Improve the current way of working by increasing repeatability, robustness, and ease of testing.
- Identify and define key system parameters governing measurement performance (e.g., speed, load, contact conditions).
- Perform experiments to quantify the influence of these parameters on measurement outcomes.
- Investigate and benchmark commercially available drivetrain solutions (motors, controllers, transmission systems).
- Translate findings into design guidelines and recommendations for implementation in the measurement setup.
- Validate the proposed concepts through testing and data analysis.

Your background:

We prefer students who can start immediately for a minimum of 4 months, though dates are flexible. To succeed in this role, you should be pursuing a master's degree or nearing completion of your bachelor's degree in electrical engineering, robotics, applied physics, or similar fields.

Additionally, you should have the following skills and experience:

- Strong analytical and problem-solving mindset
- Interest in experimental setups and system design
- Experience with data analysis and/or control systems is a plus
- Hands-on mentality and result-driven approach
- Fluency in English (written and verbal)
- Team player with a passion for results and people

You Will Be Part Of:

In Drachten you'll find two of the largest innovation sites of Philips globally. With colleagues from over 35 different nationalities, it's an inspiring international environment for you as a young talented intern. At Philips Drachten, some of the best consumer product developers in the world work together to create innovative solutions to real world problems.

Our Offer:

Philips Drachten could be the start of a promising career, with numerous opportunities to develop yourself locally or internationally in different sectors of our company. At Philips, you work for an employer whose activities have a significant positive impact on people all over the world. You will also:

- Strengthen your capabilities and knowledge,
- Be guided by a team of experienced professionals,
- Receive an internship allowance,
- Expand your professional network.

If you recognize yourself in this profile and would like to take on this challenge, we invite you to apply!

For Questions Regarding the Procedure of This Internship, Please Contact:

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