As an intern in Measurement & Analysis, you will support the team in designing, implementing and validating an innovative measurement solution. You'll collaborate with engineers across disciplines, gain hands-on experience with automated setups and Python processing, and help improve the quality and reliability of our measurement process while receiving mentorship and guidance.

The Challenge

Our organization is investing in the future of process optimization. This internship is essential to achieving our ambition: to develop and validate a novel measurement method for our high-tech environment. You'll be combining measurement science, Python-based analysis, and applied physics with automation and robotics.

What you will work on

- Independently design and execute measurement tasks on machines, installations and processes
- Develop, implement, and improve a new measurement methodology tailored to our production/innovation environment
- Perform Gage Repeatability and Reproducibility (Gage R&R) studies to validate and assure measurement system reliability
- Analyse measurement data using Python programming; present clear and actionable reports
- Apply principles of materials science, free body diagrams, and FEM simulations to optimize measured outcomes
- Basic robotics for integrating measurement tools into automated systems
- Advise on and initiate process and quality improvement measures based on data findings

Your Profile

- A background in Mechanical (Biomedical) Engineering, Applied physics or related technical field
- Solid foundation in analytical problem solving, materials science, and process optimization
- Some experience with Python programming for data analysis
- Ability to work independently as well as in multidiscipline teams
- Practical knowledge of relevant software packages (e.g., Python, MATLAB, CAD/FEM tools)
- Proactive, accurate, and result-oriented mindset with strong communication skills

- Fluency in English (written and verbal)

Nice-to-Haves

- Familiarity with Python libraries for data handling (e.g., NumPy, pandas, SciPy) and visualization (e.g., matplotlib, Plotly)
- Knowledge of sensor technology, data acquisition, and real-time measurement architectures
- Basic experience with simulation software (e.g., ANSYS, COMSOL, SolidWorks Simulation)
- Experience in gage R&R studies

Contact Information

To apply or request more information, please contact:

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