

Position
Electronic engineer

Title
Electronic engineer

Minimum requirements
Master's degree in Electrical, Electronic, Mechatronic, or Information Engineering, or in related fields

Competence group
Electric and magnetic fields engineering

Scope of the group's expertise
High-voltage engineering; study and measurement of electromagnetic fields

Duties and responsibilities

- Perform steady-state and transient analysis of electronic circuits for diagnostics and plant systems;
- Study interaction mechanisms between electromagnetic fields and front-end electronics, developing high-performance systems for control and data acquisition;
- Study and mitigate electromagnetic interference (EMI) affecting diagnostics and plant systems;
- Develop numerical tools for electronic applications in harsh environments;
- Produce and update technical documentation necessary for project management support;
- Produce and update scientific reports on plant operation, including participation in meetings and international conferences;
- Participate in experimental sessions, including shift work.

Preferred requirements

- Experience in the design, installation, and testing of signal-processing electronics for diagnostics or plant systems in complex EMI environments;
- Experience with bench testing of electronic boards;
- Experience in transient analysis of electronic circuits and overvoltage protection;
- Experience with circuits in RF and high-voltage environments;
- PhD in Information, Industrial, or Mechatronic engineering

Contract type
Fixed-term position: 2-year contract, renewable