Position
Control and Automation engineer

Title
Control and Automation engineer

Minimum requirements
Master's degree in Automation and control systems, mechatronic engineering, electronic engineering, computer engineering, or physics

Competence group
Automation and computer engineering

Scope of the group's expertise
Software architectures; distributed systems for data acquisition, control, and analysis; real-time feedback control systems; PLC control systems; GUI development; control systems theory

Duties and responsibilities

- Define specifications and requirements for the integration of control systems of individual plants and diagnostics with the central control system; plan integration tests and reports;
- Manage experimental campaigns for testing and commissioning of I&C systems (Instrumentation & Control);
- Produce and update technical documentation necessary for project management support;
- Produce and update scientific reports, including participation in meetings and international conferences;
- Participate in experimental sessions, including shift work.

Preferred requirements

- Several years of experience in engineering projects or diagnostics in the field of nuclear fusion;
- Experience in I&C systems (Instrumentation & Control);
- Good knowledge of at least one of the following: Linux OS; data acquisition hardware and programming tools; programming languages Java, C++, or Python; FPGA design, testing, and programming languages;
- Experience in experimental data acquisition and/or real-time control systems;
- PhD in Mechatronic or Information engineering

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