



PROFILE	Research position in the field of planning and scheduling for digital industry and robotics
N. POSTS	1
LOCATION	TRENTO (ITALY)
VALID TILL	08.08.2021
DESCRIPTION	<p>The open research position is in the field of automated planning and scheduling. The expected activities include the development of novel temporal planning and/or scheduling techniques based on heuristic search, machine learning and Satisfiability Modulo theories and their integration in real-world systems including robotic applications and flexible manufacturing environments; monitoring and execution components for autonomous systems; software development of prototypical integrated solutions; training support, and document generation for technology transfer. The candidate is expected to work in collaboration with other researchers, programmers, and students involved in the unit. Moreover, the candidate is expected also to interact with industrial partners and partners of research projects.</p> <p>Requirements:</p> <ul style="list-style-type: none">- PhD in computer science, mathematics or electronic engineering or equivalent 3yrs research experience;- Software development skills (preferably in C++ and Python);- Ability to carry out an independent research program;- Ability to work in a collaborative environment and deliver in research and/or industrial projects;- Accuracy, proactivity and goal orientation;- Oral and written proficiency in English. <p>Additional requirements</p> <p>In depth previous experience in at least one of the following areas:</p> <ul style="list-style-type: none">- Automated Planning (e.g. PDDL planners);- Scheduling/Constraint Programming/Mixed Integer Linear Programming;- Robotic deliberation and execution;- Runtime verification and model-based diagnosis;- Model Checking or other formal verification techniques. <p>Employment: fixed term contract full time (2 years); Start date: October 2021; Gross annual salary: about € 39.500. More info about benefits https://www.fbk.eu/en/work-with-us/</p>
HOW TO APPLY	For more info and on line application see at https://jobs.fbk.eu/