

PROFILE	Tenure Track position for a Researcher in the field of Software Engineering applications at Bruno Kessler Foundation, Digital Industry Center
N. POSTS	1
LOCATION	TRENTO - ITALY
VALID TILL	December 21, 2021
DESCRIPTION	<p>The position offers the opportunity of working on the design and development of new approaches and supporting tools for software testing. The research objective is that of exploring novel model-based methodologies and efficient reasoning techniques for the automated generation of test cases for complex parametric systems characterized by high variability from the point of view of the space of the possible functional configurations.</p> <p>The successful candidate is expected to:</p> <ul style="list-style-type: none"> • Define new methodologies for the specification and generation of test cases for complex parametric systems. • Define novel test case generation algorithms exploiting AI and optimization techniques. • Design, develop, maintain, and evolve the tools supporting the test case specification and generation approaches. • Contribute to the application, analysis, and evaluation of the quality of the proposed methodologies and tools in research and industrial projects. <p>The Ideal Candidate should have</p> <ul style="list-style-type: none"> • Education: PhD in Computer Science or equivalent degree. • Specific knowledge in the field of Software Testing and experience in the design of methodologies and algorithms for the automated generation of test cases. • Experience in the implementation of supporting tools for the proposed methodologies. • Experience in the empirical evaluation of the proposed methods and algorithms in real settings. • Good knowledge and proficiency of the English language. • Good publication track record in the field of Software Engineering. <p>Requirements and more info: https://jobs.fbk.eu/</p>
HOW TO APPLY	Candidates are requested to submit their application online at https://jobs.fbk.eu/