

Subject: Internship Proposal

<i>ID</i>	PTI_EN_Finocchio Giovanni_14/03/2026 6.32.59
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Project Supervisor

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Project Co-Supervisor

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Project details

<i>Title</i>	Implementation of high order ising machine solver (CUDA native)	
<i>Detailed description:</i> The objective of this internship is the development of a high order Ising machine solver accelerated by GPU (CUDA native). The tool should be able to simulate 1000 spins and take advantage of the sparsity for mapping that are related to invertible logic gate. The problem to analyze will be the factorization.		
<i>Duration (month – max 12)</i>	5	
<i>Duration (hours)</i>	150	
<i>Open positions</i>	2	

Internship Skills

<i>Technical requirements:</i>	
<i>Other skills</i>	