



## Thesis proposal presentations (end of first year of studies)

The following Ph.D. Candidates will present their thesis proposal to their Thesis Advisory Board.

Each candidate will have 30' for her/his presentation plus 15' for Q&A.

The presentations will take place at the Department of Computer Science of the University of Pisa and will be streamed online.

Participation will be open and welcome.

October 21 <sup>st</sup> , 2024				
11 am	Ben Cullen	Theoretical Foundations of Explainability in Generative and Graph Neural Networks	SSE	<a href="#">online</a>
12 pm	Alessandro Dipalma	Learning the Dynamics of Biological Networks	SSE	<a href="#">online</a>
October 22 <sup>nd</sup> , 2024				
2 pm	Camilla Poggianti	Design of Immersive Environments to Enhance Education for Students with Disabilities	SSE	<a href="#">online</a>
3 pm	Silvio Martinico	Advancements in Approximate Nearest Neighbors Search: Algorithmic Approaches for Efficient Indexing and Retrieval	SSE	<a href="#">online</a>
4 pm	Lorenzo Carfagna	On compressing matrices and graphs	SSE	<a href="#">online</a>
5:30 pm	Giacomo Antonioli	Quantum Linear Algebra Foundations and Applications	SSE	<a href="#">online</a>
October 23 <sup>rd</sup> , 2024				
2 pm	Giovanni Buzzega	Exploring String Processing: Techniques for Subsequence Mining and Phylogenetic Tree Construction	SRO	<a href="#">online</a>
3 pm	Mauro Madeddu	Benchmarking and Enhancing Large Language Models for the Italian Legal Domain	SRO	<a href="#">online</a>
October 24 <sup>th</sup> , 2024				
10 am	Lorenzo Gazzella	Combining over- and under-approximation in resource-aware analysis	SSE	<a href="#">online</a>
11 am	Maria Giovanna Rotundo	Privacy-preserving approaches to manage variable-length items	SSE	<a href="#">online</a>
2 pm	Valerio Besozzi	Scalable Programming Models and Strategies for Efficient High-Performance Serverless in Hybrid and Heterogeneous Systems	SSO	<a href="#">online</a>
3 pm	Lanpei Li	Machine learning-centric resource management of Cloud Continuum	SSE	<a href="#">online</a>
October 25 <sup>th</sup> , 2024				
9 am	Filippo Lari	Computation-Friendly Compressed Data Structures for Strings	SSE	<a href="#">online</a>
10 am	Giacomo Vaiani	End-User Development for Adaptive Social Robot	SSE	<a href="#">online</a>
12 pm	Gabriel Carmona	New Approach for Tree Compression in Succinct Data Structures	SSE	<a href="#">online</a>
2 pm	Mattia Odorisio	New algorithmic approaches to sorting	SSE	<a href="#">online</a>
3 pm	Niko Dalla Noce	Continual language model alignment and knowledge retrieval from structured documents	SSE	<a href="#">online</a>

SSE = "Sala Seminari Est" at the Department of Computer Science, University of Pisa

SSO = "Sala Seminari Ovest" at the Department of Computer Science, University of Pisa

SRO = "Sala Riunioni Ovest" at the Department of Computer Science, University of Pisa