



Politecnico
di Torino
SmartData@PoliTO



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<https://smartdata.polito.it/category/smarttalks/>



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Luca Gioacchini is a Ph.D. candidate at Politecnico di Torino (PoliTO) and a member of SmartData@PoliTO research centre for Big Data technologies. He received the M.Sc. in ICT for Smart Societies at Politecnico di Torino in 2021. His research interests are in the field of machine learning and data science techniques applied to networking and cybersecurity. During his studies, Luca has focused on deep learning-based solutions to detect coordinated events in darknet traffic.

Introducing LLM-based Generative Agents

ABSTRACT

The advances made by Large Language Models (LLMs) have led to the pursuit of Generative Agents. These are software systems that leverage foundation models like LLMs to perform complex tasks, take decisions, devise multi-steps plans and use tools (API calls, coding, etc.) to build solutions in heterogeneous contexts with a high degree of autonomy. While initial works on LLM agents have shown promise, these emerging technologies are still unexplored. In this presentation, I will provide an overview of their design and functionality, discussing potential applications and associated challenges.



Season 4