December 11, 2025

USI Startup Centre
Università della Svizzera italiana
Lugano, Switzerland

Dear USI Startup Centre Team,

I am excited to apply to the USI Startup Centre as the founder of **KAIROS**. This project builds on my research and experience in **distributed systems**, **fault-tolerant architectures**, and **real-time data processing**, and I am passionate about turning these insights into a platform that enables enterprises to deploy **AI agents** capable of reasoning over evolving knowledge in real time.

The idea for KAIROS stems from a clear industry need: enterprises today struggle to integrate dynamic, domain-specific knowledge into AI systems efficiently. Through my **PhD research** and recent experiments with LLM models and MCP servers, I have explored incremental reasoning workflows and developed a strong understanding of how LLMs can interact with structured knowledge. What excites me most about this project is the opportunity to bridge cutting-edge distributed systems research with real-world enterprise applications, delivering tangible **efficiency gains** and enabling **smarter decision-making**.

Being incubated at the USI Startup Centre is particularly appealing because of its unique combination of academic rigor and **entrepreneurial support**. The Centre's mentorship, **funding support**, and **industry network** can help KAIROS grow from a research prototype to a **fully functional, impactful platform**. I am especially eager to receive guidance on business development, go-to-market strategy, IP management, and preparing for pilot deployment with early adopters like **Swisscom**.

Joining the USI Startup Centre will let me focus full-time on KAIROS, speed up development, and use the Centre's ecosystem to turn research into a **high-impact business**. With their support, KAIROS can become a leading platform for **real-time AI reasoning** over dynamic knowledge graphs, delivering value to **Swiss enterprises** and beyond.

Thank you for considering my application. I look forward to the opportunity to contribute to and benefit from the vibrant startup ecosystem at USI.

Sincerely,

Eliã Rafael de Lima Batista