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## Invitation Letter

Dear Rector Melnychenko,

the University of Klagenfurt is leading a consortium comprising European universities and companies to develop a project proposal for a new master's program in High-Performance Computing (HPC). The goal of this program, as outlined in the linked call below, is to create a comprehensive curriculum that encompasses system architecture, software development, HPC operations, and applications in AI and quantum computing, explicitly focusing on quantum optimization and machine learning.

Key points of the program can be summarized as follows:

- The program is planned to span six years, during which we expect to graduate four cohorts of approximately 100 students each.
- With over €10 million in funding, the initiative aims to facilitate widespread geographical intake across Europe while promoting student mobility and cross-border collaboration.
- By fostering partnerships among academia, industry, and public institutions, this program seeks to enhance the competitiveness of the European workforce within the global digital economy.

We warmly invite you to join the consortium for the proposed HPC-Europe+ Master's Programme. This initiative represents a significant and forward-looking step toward enhancing expertise in High-Performance Computing (HPC) across Europe, particularly in regions where such capabilities are still emerging.

In particular, we are very interested in your expertise in the topics of Artificial Intelligence and Quantum Computing, especially with a focus on quantum optimization and machine learning. The opportunity offered by the HPC-Europe+ Programme is unique and will allow us to establish a close collaboration between European academia and industry. From our perspective, your contributions can help shape research topics that reflect real-world challenges but also attract motivated students and future specialists whose skills align with our evolving needs.

In particular, we would like to invite the heads of the following departments to consider contributing to the project through joint supervision, thematic guidance for thesis topics, and organization of study modules:

- Information systems and technologies (63468): [https://osvita.kpi.ua/126\\_ONPM\\_IST](https://osvita.kpi.ua/126_ONPM_IST)
- Computer systems and networks (8566): [https://osvita.kpi.ua/123\\_OPPM\\_KSM](https://osvita.kpi.ua/123_OPPM_KSM)

- Computer systems and networks (31214): [https://osvita.kpi.ua/123\\_ONPM\\_KSM](https://osvita.kpi.ua/123_ONPM_KSM)
- System programming and specialized computer systems (28534): [https://osvita.kpi.ua/123\\_OPPM\\_SPSKS](https://osvita.kpi.ua/123_OPPM_SPSKS)
- Intelligent service-oriented distributed computing (28523): [https://osvita.kpi.ua/122\\_OPPM\\_ISORO](https://osvita.kpi.ua/122_OPPM_ISORO)

You can read more about the program on the EU website: [https://eurohpc-ju.europa.eu/document/download/3999e009-0d26-40ba-874a-f5d585b1bbc7\\_en?filename=Call%20Document%20DIGITAL-EUROHPC-JU-2024-MASTER-03.pdf](https://eurohpc-ju.europa.eu/document/download/3999e009-0d26-40ba-874a-f5d585b1bbc7_en?filename=Call%20Document%20DIGITAL-EUROHPC-JU-2024-MASTER-03.pdf)

The proposal is currently in active development, and we would be delighted if your university could join the consortium to help us perfect it.  
We look forward to hearing from you.

Sincerely,



Prof. Dr. Peter Schlögl  
Vice-Rector for Transfer, Cooperation & University Lifelong Learning