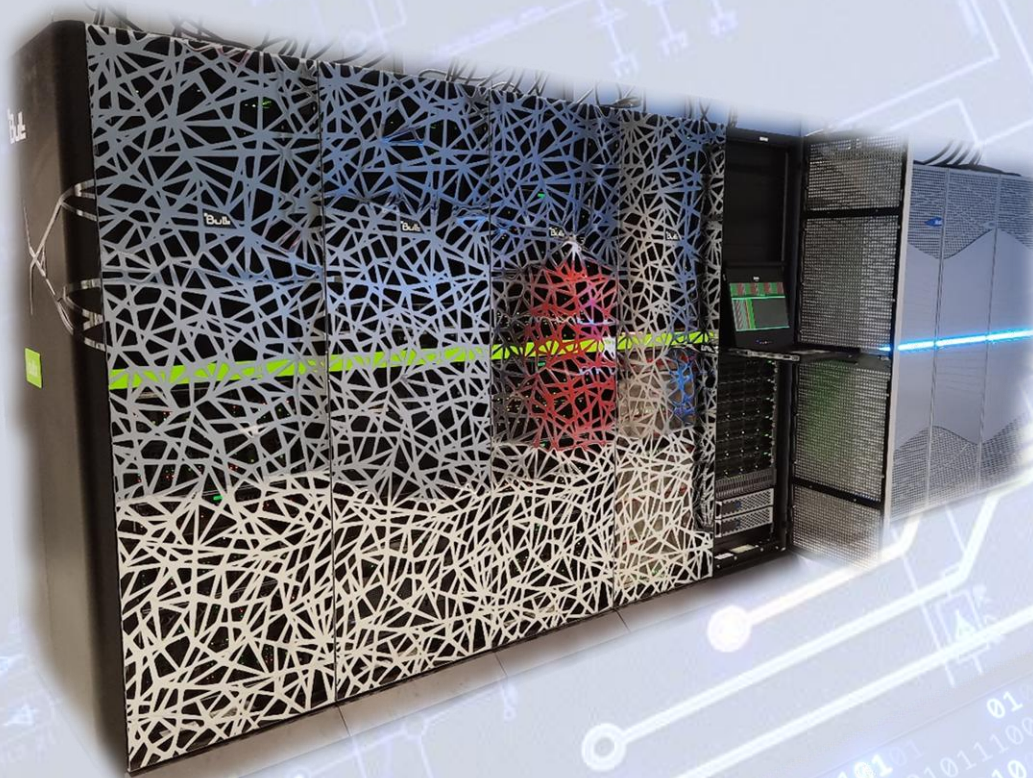




4TH EUROCC VILNIUS HACKATHON & WORKSHOP ON USING HPC



Abstract book

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https://www.eurocc-lithuania.lt/events_2025-06-27/

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Hackathon & Workshop organizers

Local organizing committee

Mindaugas Mačernis
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Scientific committee

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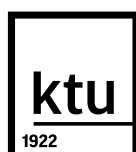
Project Implementers



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Large Language Models for HPC research

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In this short workshop session, we will explore the internal anatomy of large language models (LLMs) and their practical use in high-performance computing (HPC) environments. The talk will cover effective prompting strategies, performance considerations, and the basics of LLM evaluation. We will also examine how LLMs can act as evaluators themselves, discuss methods for uncertainty quantification, and introduce intermediate techniques for reasoning assessment and benchmarking.

This session draws upon key insights from ISC25 – the International Supercomputing Conference 2025, a premier global event focused on high-performance computing, machine learning, and computational science. Attendees will receive a concise, up-to-date overview grounded in the latest conference findings, tailored for immediate application in advanced computational research and engineering contexts.