

SEMINARAS

Artificial Intelligence for Theoretical and Applied Problem Solving: Capabilities and Limitations

2026 m. rugsėjo 29 d. 9:00 val. Microsoft Teams

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Recent reports of AI-supported solutions to challenging mathematical problems — including OpenAI's proposed resolution of the Navier–Stokes problem — raise new questions about the role of AI in research. Seminar devoted to potential of artificial intelligence to address theoretical and applied problems. Using models from OpenAI and Anthropic as examples, it discusses their role in scientific research and practical work. Particular attention is paid to the models' ability to reason, propose problem-solving approaches, and assist in verifying results. Several examples will illustrate the strengths and weaknesses of modern AI systems. The talk examines advances in the field alongside limitations concerning the reliability and reproducibility of AI-generated solutions. It also considers the human role in formulating problems and evaluating model outputs. Finally, it discusses prospects for using AI as a tool for research.

Kviečiame dalyvauti.
Seminaro sekretorius A. Bugajev