



## Seminar Hora Informaticae

Institute of Computer Science, Prague

Tuesday, March 31, 2026, 13.30 – 15.30 (1.30 – 3:30 PM) CEST

Meeting Room 318, Address: Pod Vodárenskou věží 2, Prague 8

Meeting ID: 914 0834 4018, Passcode: 668534



<https://cesnet.zoom.us/j/91408344018?pwd=x2QlZ4F42BxlMSmWc1HOwHHA7Uw7PN.1>

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**Jiří Wiedermann (Institute of Computer Science, Czech Academy of Sciences, Prague).**

### **On Viable Computation and Trustworthy AI.**

Modern AI systems excel at prediction, yet prediction alone does not guarantee trustworthy behavior. This talk introduces viable computation, inspired by Turing's theory of computation and Wiener's cybernetics, where intelligence is understood as regulated prediction unfolding through interaction over time. By checking predicted actions against explicit invariants, systems can maintain explainability, alignment, and resilience as structural properties of intelligent interaction.

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**Jiří Wiedermann** (<https://www.cs.cas.cz/wieder/>) is a computer scientist at the Institute of Computer Science of the Czech Academy of Sciences in Prague. His research focuses on theoretical computer science, especially models of computation, computational complexity, and interactive systems. He is a member of the Learned Society of the Czech Republic and Academia Europaea. His current work explores foundations of artificial intelligence. The talk is based on joint work with Jan van Leeuwen, Professor Emeritus at Utrecht University, the Netherlands, a leading researcher in algorithms, complexity theory, and models of computation.

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**HORA INFORMATICAЕ** (meaning: TIME FOR INFORMATICS) is a broad-spectrum scientific seminar devoted to all core areas of computer science and its interdisciplinary interfaces with other sciences and applied domains. Original contributions addressing classical and emerging topics are welcome. Founded by Jiří Wiedermann, the seminar is running since 1994 at the Institute of Computer Science of the Czech Academy of Sciences in Prague.

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