

Tereza Siváková

Contact details:

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Personal details:

date of birth: 28.5.1997
nationality: Czech

Education

PhD. Mathematical engineering 2022 – 2026 (*expected*)
Faculty of Nuclear Sciences and Physical Engineering - CTU in Prague

Ing. Applied Mathematical Stochastic Method 2020 – 2022
Faculty of Nuclear Sciences and Physical Engineering - CTU in Prague

Bc. Applied Mathematical Stochastic Method 2016 – 2020
Faculty of Nuclear Sciences and Physical Engineering - CTU in Prague

Relevant courses: algebra and calculus, numerical methods, probability and statistics, classical physics, Monte Carlo methods

Work experience

- **Czech Academy of Science - Institute of Information Theory and Automation** - Prague, Czech Republic 2020–
Participating on research in Department of Adaptive Systems: decision-making, Bayes learning, Preference elicitation Markov decision process, Fully probabilistic design
- **MSD Internship:** Data analyst, Visualization, Qlik Sense April 2021–August 2022
- **MSD Internship:** Rshiny developer September 2022–

Thesis at Faculty of Nuclear Sciences and Physical Engineering - CTU in Prague:
Participating on research with Ing. Miroslav Kárný, DrSc.

Bachelor thesis: Algorithmic Elicitation of Feasible Preferences, in Czech, 2020

Research work: Adaptive Algorithmic Quantification of Prefences, in Czech, 2021

Master thesis: Active Adaptive Algorithmic Quantification of Preferences, in Czech, 2022

Research work:

- T.Siváková and M.Kárný. Algorithmic Elicitation of Feasible Preferences. Technical Report 2384, ÚTIA AVČR, 2019. in Czech.
- M.Kárný and T.Siváková. Agent's Feedback in Preferences Elicitation In 2021 20th International Conference on Ubiquitous Computing and Communications (IUCC/ CIT/ DSCI/ SmartCNS) pages 421-429, 2021. in London.
- M.Kárný and T.Siváková. Model-based Preference Quantification. submitted to Automatica.

Skills

- **Language:** English, basics of French and German
- **Technical skills:** MATLAB, R, SQL, Qlik, basics of Python
- **Personal interests:** Theater, music, dance, gym