

SitSem 2023 Program

Thursday, 14th September

11:00-12:00 **Arrival coffee break**

12:00-13:00 **Lunch**

Opening

13:00-13:30 *Introduction (Luděk Matyska)*

Life sciences and data processing

13:30-14:30 **Invited Talk: Zpracování dat na CEITECu (Tomáš Raček)**

14:30-14:50 *Podrobnější představení implementace ukládání dat v jednotlivých CEITEC CF (Tomáš Svoboda)*

14:50-15:10 *Maj data bez metadat smysl? (Adrián Rošinec)*

Videoconferencing and networking

15:10-15:20 *Group activities overview (Miloš Liška)*

15:20-15:45 *5G networks: Are we there yet? (Miloš Liška)*

15:45-16:30 **Coffee break**

16:30-16:55 *And SO... NIC (Lukáš Ručka)*

Deep learning in mass spectrometry: There and back again

16:55-17:05 *Introduction (Aleš Křenek)*

17:05-17:30 *Forward models -- spectra prediction from formulae (Filip Jozefov, Aleš Křenek)*

17:30-17:55 *Reverse models -- formula prediction from spectrum (Adam Hájek)*

Planning and scheduling

17:55-18:25 *Uncertain and dynamic vehicle routing (Václav Sobotka)*

19:00 Dinner (Aula on site)

Friday, 15th September

8:00-9:00 **Breakfast**

Big data

9:00-9:15 *Group activities overview (Tomáš Rebok)*

9:15-9:35 *CoPAS - Cop's Personal Analytic System (Tomáš Rebok)*

9:35-10:00 *Vegetation Parameter Estimation from Remote Sensing (Terézia Slanináková)*

Planning and scheduling

10:00-10:20 *Group activities overview (Hana Rudová)*

10:20-11:00 **Coffee break**

Efficient computing

11:00-11:30 *Group activities summary (Jiří Filipovič)*

Invited Talk

11:30-12:30 *Large language models: What does "big" and "language" mean here?
(Jindřich Libovický)*

12:30-13:30 Lunch

13:30-16:30 **Free Time/outdoor activities**

Visit of Telč chateau

16:30-17:00 Coffee break

Future Sitola

17:00-18:30 *Discussion chaired by Luděk Matyska*

19:00 Dinner (U hraběnky)

Saturday, 16th September

8:00-9:00 **Breakfast**

Invited Talk

9:00-10:00 *Exploring biomolecular dynamics through large-scale computer simulations
(Michal Kolář)*

Experimental laboratory of networking theory

10:00-10:10 *Group activities overview (Václav Oujezský)*

10:10-10:30 *Data backup system with integrated active protection against ransomware - agent
(Pavel Novák)*

10:30-11:00 **Coffee break**

11:00-11:25 *Federated AI communication protocol (Václav Oujezský)*

Life sciences and data processing

11:25-12:10 *Jak vlastně vypadají genomická data a co se s nimi dělá (Jaroslav Juráček)*

Closing

12:10-12:30 *Wrap up, what's next (Luděk Matyska)*

12:30-13:30 **Lunch**

13:30 Departure