

Thursday, 22 May

09:00 → 09:30

Welcome coffee

09:30 → 09:55

**Overview of the EuroCC4SEE and EuroCC initiatives**

**Speaker: Nadja Schaffler** (High-Performance Computing Center Stuttgart)

09:55 → 10:20

**Academia-business collaboration in HPC: experience from Bulgaria**

**Speaker: Emanouil Atanasov** (Institute of Information and Communication Technologies BAS)

10:20 → 10:45

**The use of HPC in North Macedonia**

**Speaker: Boro Jakimovski** (Faculty of Computer Science and Engineering, Ss. Cyril and Methodius University in Skopje)

10:45 → 11:15

Coffee break

11:15 → 11:40

**HPE's contribution to regional HPC development**

**Speaker: Milan Avramović** (Hewlett Packard Enterprise operated by Selectium)

11:40 → 12:05

**The use of HPC in Montenegro**

**Speaker: Enis Kočan** (Faculty of Electrical Engineering, University of Montenegro)

12:05 → 12:35

Coffee break

12:35 → 13:00

**The use of HPC in Bosnia and Herzegovina**

**Speaker: Ana Lalović** (Verlab Research Institute)

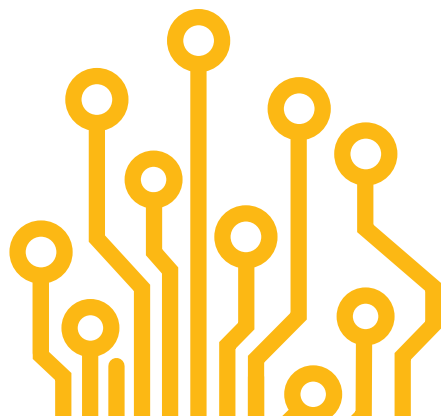
13:00 → 13:25

**HPC Serbia activities**

**Speaker: Dušan Vudragović** (Institute of Physics Belgrade)

13:25 → 14:55

Lunch break



HPC SERBIA

# EuroCC4SEE WORKSHOP IN BELGRADE

20-22 MAY 2025

DRIVING HPC, HPDA AND AI  
INNOVATIONS ACROSS EUROPE



## Tuesday, 20 May

12:30 → 13:30

Registration and coffee

13:30 → 13:45

### Opening

**Nadja Schaffler** (High-Performance Computing Center Stuttgart)  
**Antun Balaž** (Institute of Physics Belgrade)  
**Miloš Cvetanović** (University of Belgrade School of Electrical Engineering)

13:45 → 14:10

**Usage of HPC in simulations of charge transport in semiconducting materials**  
**Speaker: Nenad Vukmirović** (Institute of Physics Belgrade)

14:10 → 14:35

**Bridging borders: Advancing translational oncology research through AI**  
**Speaker: Stefan Milošević** (University of Cambridge, BIO4 Campus)

14:35 → 15:00

**Data compression and parallelization in simulations of transient regimes**  
**Speaker: Jeremija Kovačević** (Institute of Physics Belgrade)

15:00 → 15:30

Coffee break

15:30 → 15:55

**HPC and AI in drug discovery and molecular science**  
**Speaker: Bojana Koteska** (Faculty of Computer Science and Engineering, Ss. Cyril and Methodius University in Skopje)

15:55 → 16:20

**The importance of local LLMs and supporting HPC infrastructure for social sciences**  
**Speaker: Aleksandar Tomašević** (Faculty of Philosophy, University of Novi Sad)

16:20 → 16:50

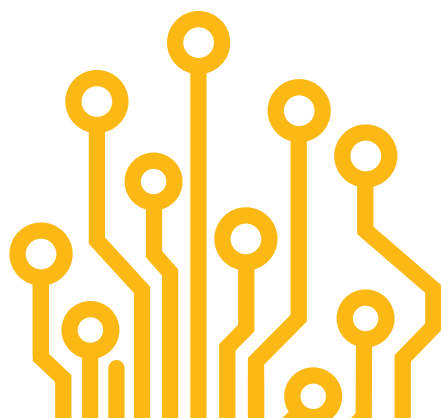
Coffee break

16:50 → 17:15

**Using HPC for mechanistic description of chemical reactions**  
**Speaker: Milena Petković** (Faculty of Physical Chemistry, University of Belgrade)

17:15 → 17:40

**High-performance computing in electromagnetics**  
**Speaker: Dragan Olčan** (School of Electrical Engineering, University of Belgrade)



## Wednesday, 21 May

09:00 → 09:30

Welcome coffee

09:30 → 09:55

**HPC Serbia's engagement with industry partners**  
**Speaker: Marija Mitrović Dankulov** (Institute of Physics Belgrade)

09:55 → 10:20

**Applied CFD: Simulating the Built Environment and Beyond**  
**Speaker: Anina Glumac** (Faculty of Civil Engineering of the University of Belgrade)

10:20 → 10:45

**From theory to practice: AI applications in multiple sectors by the Institute Mihajlo Pupin**  
**Speaker: Katarina Stanković** (Institute Mihajlo Pupin)

10:45 → 11:15

Coffee break

11:15 → 11:40

**Opportunities of SMEs in HPC world**  
**Speaker: Tomi Ilijaš** (Arctur d.o.o., NCC SLING Slovenia)

11:40 → 12:05

**HPC/AI in Water and Energy**  
**Speaker: Miloš Ivanović** (CTO at Vodena doo Kragujevac, Faculty of Science Kragujevac)

12:05 → 12:30

**The Future of AI-Powered Feedback in Health and Tech Products**  
**Speaker: Vladimir Jeftović** (Moveo)

12:30 → 12:45

Group photo

12:45 → 14:00

Lunch break

14:00 → 14:25

**Hyperconnectivity – AMRES status and plans**  
**Speaker: Bojan Jakovljević** (Serbian Academic Network)

14:25 → 14:50

**Capabilities of the national AI platform**  
**Speaker: Bogdan Stešević** (Office of Information Technology and eGovernment)

14:50 → 15:15

**AI-driven innovation for better living**  
**Speaker: Tomi Ilijaš** (Arctur d.o.o., NCC SLING Slovenia)

15:15 → 15:45

Coffee break

15:45 → 16:10

**HPDA service for estimating the brown bear population in Bulgaria**  
**Speaker: Svetlozar Yordanov** (Institute of Information and Communication Technologies BAS)

16:10 → 16:35

**Weather and Climate HPC across scales: SMEs, HPC Grid, Research Institutions**  
**Speaker: Luka Ilić** (Barcelona Supercomputing Center)

16:35 → 17:05

Coffee break

17:05 → 17:30

**Disaster predictions with HPC**  
**Speaker: Boro Jakimovski** (Faculty of Computer Science and Engineering, Ss. Cyril and Methodius University in Skopje)

17:30 → 17:55

**Examples of numerical modeling of atmospheric aerosols and hydrological processes**  
**Speaker: Slobodan Ničković** (Republic Hydrometeorological Service of Serbia)

20:30 → 23:30

Group dinner The Two Deer (Два јелена) restaurant