

***InnoHPC training:***

***Capacity building for HPC***

***providers and SMEs***

**10-11th May 2018**

*InnoHPC training: Capacity building for HPC providers and SMEs will be dedicated to developing HPC capacity building tools and programmes for SMEs (automotive and electronic) and HPC providers in order to deliver functionality of the InnoHPC Lab after the end of the InnoHPC project.*

**10th of May 2018**

**Location: Amadria Milenij hotel, Ul. Maršala Tita 109, 51410, Opatija, Croatia.**

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| **Time** | **Agenda** | |
| 08:00 – 08:30 | Arrival of participants and registration | |
| 08:30 – 10:30 | **SMEs**  - HPC trends, advantages using HPC in automotive and electronic industries, HPC infrastructure, comparing the performance of desktop computer and HPC cluster, data protection, patents, applicability, VR, digital transformation guidelines etc. | **HPC providers**  - Technology Transfer Process (Intellectual Property Rights (IPR) protection, data protection, HPC infrastructure, digital transformation guidelines, role of trust) |
| 10:30 – 10:45 | Coffee break | |
| 10:45 – 12:45 | - Case studies and success stories  Arctur d.o.o.  AV Living Lab | |
| 12:45 – 13:30 | Lunch | |
| 13:30 – 14:30 | - Worksheets on HPC usage, patents and VR | - Worksheets on Technology Transfer and industrial position |
| 14:30 – 15:30 | - How to approach HPC Academia  - Case study | How to approach SMEs  - Case study |
| 15:30 – 15:45 | Coffee break | |
| 15:45 – 16:45 | - Worksheets on sharing experience | |
| 16:45 – 17:30 | - Rules on academic communication | |

**11th of May 2018**

**Location: University of Rijeka, Radmile Matejčić 2, 51000 Rijeka, Croatia**

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| **Time** | **Agenda** |
| 08:30 – 09:00 | Project partner meeting: Determine the benefits of workshop in order to collect participant’s experiences and use it for development of InnoHPC Lab (UXD) |
| 09:00 – 09:30 | Arrival of participants and registration |
| 09:30 – 12:30 | **Teams from both SMEs and HPC providers**  - University of Rijeka tour including its HPC infrastructure, short presentation on spot  **Running simulations on supercomputers**  - Introduction to Linux operating system  - Bash scripting language  - Submitting a job using job schedulers |
| 12:30 – 13:30 | Lunch |
| 13:30 – 15:30 | **Running simulations on supercomputers**   * Message Passing Interface (MPI)   - CUDA  - Comparing the performance of desktop computer and HPC cluster  **- Providing solutions to the received problem** |
| 15:30 – 17:30 | - Coffee network session  - Closing remarks |