

Kick-off workshop of AI and HPC scientific unit of the ALMA-AI center

17/02/2021 - 09:00

Agenda

09:00-09:20: Welcome + Intro

- Michela Milano ~5 mins.
- Luca Benini 5/10 mins.

Group Presentations

- 09:20-09:40: DISI, ECS-LAB, Andrea Bartolini (Energy-efficient data center and data center automation)
- 09:40-10:00: DISI, LIA, Andrea Borghesi (AI Techniques for data center optimization)
- 10:00-10:10: DISI, Ozalp Babaoglu, slides presented by A. Bartolini (cognified HPC systems)
- 10:10-10:30: DEI, ARCES, Antonio Gnudi (Analog in-memory computing)
- 10:30-10:50: DEI, ARCES, Elena Gnani (Beyond-CMOS devices in high-performance systems for AI)
- 10:50-11:10: DEI, ARCES, Cecilia Metra (AI robustness w.r.t. faults; HPC Reliability, availability, safety, security (dependability); HPC predictive monitoring)
- 11:10-11:30: DIFA, Daniele Bonacorsi, in collaboration with Davide Salomoni (HPC/AI area initiatives by DIFA and INFN)

11:30-11:40: Break

11.40-12.40: Open Session

- Questions
- Idea for collaborations