Atlanta, USA, from November 17-22, 2024

EUPILOT at SC24: Showcasing European HPC Innovations

EUPILOT, EUPEX, and the European Processor Initiative (EPI) SGA2 are joining forces at the upcoming SC24 conference, to showcase their latest innovations at a shared **booth 4043**.

Booth Highlights

- **Demo Pod**: Filippo Mantovani and Pablo Vizcaino Serrano will present EPI's and EUPILOT's EPAC prototype featuring a RISC-V vector processing unit developed at the Barcelona Supercomputing Center (BSC)

  Tue, 19 Nov, 11:00 to 12:00 EST
  Wed, 20 Nov, 11:00 to 12:00 EST
  Thur 21 Nov, 13:00 to 14:00 EST

- **Product Pod**: Get a firsthand look at the EUPILOT' first 12nm test chips. EUPILOT representatives will be on hand to discuss these advancements and answer questions.

- **Information**: Chat directly with EUPILOT's Principal Investigator Carlos Puchol

- **Thematic Discussions**: Connect with experts from EPI, EUPEX, and EUPILOT through thematic "hot topic" discussions right at the **booth 4043**.

  Schedule:

  - Tuesday, Nov 19, 3:00 – 4:00 pm EST
    Topic: ***What are the competitive advantages of Rhea1, SiPearl's processor, designed as part of the EPI project?***
    https://www.menti.com/al9zdpz6fbza

  - Wednesday, Nov 20, 3:00 – 4:00 pm EST
    Topic: ***What do you think is the biggest challenge for widespread adoption of RISC-V in the area of HPC?***
    https://www.menti.com/als6c1a31r8a

  Agenda:
  • 15 minutes – Introduction of the EPI, EUPEX, and EUPILOT projects
  • 5 minutes – Review the poll results (displayed live on the screen)
  • 40 minutes – Open discussion moderated by the projects' representatives

  Questions are open for voting already! Scan the QR code, or follow the link and share your opinion, whether or not you're attending SC24 (1-minute poll). If you're at SC24, be sure to join us at the booth 4043 for live results and an engaging discus

Atlanta, USA, from November 17-22, 2024

Technical Sessions

SC24 is renowned for its leading technical program, which attracts professionals and students from the HPC community worldwide. The conference will feature sessions on cutting-edge topics such as algorithms, applications, architectures and networks, cloud and distributed computing, data analytics, visualization, storage, machine learning and HPC, performance, programming systems, system software, and large-scale deployment and integration.

Deep dive into EUPILOT's technical sphere at the sessions:

- Jens Krüger, and Osman Unsal: Co-design of Next-Generation HPC System for Artificial Intelligence and Mixed-Analytics, Monday, 18 November 20244:30pm - 5pm EST, Location B314

- Sergio Iserte: Artificial Intelligence and Machine Learning for HPC Workload Analysis, Wednesday, 20 November 2024 12:15pm - 1:15pm EST, Location B210

- Filippo Mantovani: Advanced Architecture "Playgrounds" — Past Lessons, Current and Future Accesses of Testbeds, Thursday, 21 November 2024 12:15pm - 1:15pm EST, Location B309

Activities

Join the EuroHPC JU's "European Stamp Rallye" and explore the European HPC ecosystem! Pick up a "passport" at the booth 4249 and collect stamps at participating booths, including EPI, EUPILOT, and EUPEX. Complete your passport and enter to win exciting prizes.

Additional highlight - RISC-V and HPC Initiatives

Discover the potential of RISC-V for HPC with Teresa Cervero and join the discussions on how open hardware is reshaping the HPC landscape.

- International Workshop on RISC-V for HPC (RISCVHPC)
- RISC-V and HPC: How Can We Benefit from the Open Hardware Revolution?