



Design, Automation and Test in Europe Conference

The European Event for Electronic System Design & Test

Workshop and Call for Poster Presentations

We are pleased to announce the workshop titled “**Hyperdimensional Computing and Vector Symbolic Architectures for Automation and Design in Technology and Systems**” to be held on Wednesday, **19 April 2023** at DATE23 conference in **Antwerp, Belgium**. This workshop will explore the interplay between different technologies and architectures that enable the automation of complex systems and enable design of efficient and effective solutions for real-world problems.

The objective of this workshop is to bring together researchers in the fields of hyperdimensional computing, vector symbolic architectures, and automation and design in technology and systems to discuss the latest developments and challenges in these areas, and to identify synergies between them with an open discussion.

We invite contributions from researchers, practitioners, industry, and government representatives who are working in the areas of hyperdimensional computing, vector symbolic architectures, and automation and design in technology and systems.

We are issuing a **call for poster presentations** to be presented at the workshop. The topics of interest include, but are not limited to:

- Automation and Design of technology and systems based on HDC/VSA
- New implementation of HDC and VSA concepts
- Advances in HDC and VSA use in practical applications
- Use of HDC and VSA in the field of ML and AI

Submissions are invited in the form of (extended) abstracts not exceeding two pages and must be submitted via EasyChair following this link:

<https://easychair.org/my/conference?conf=w05hdc>

Submissions should present innovative research and development results related to the topics listed above. Poster presentations should be self-contained, and include a brief abstract, key references, and contact information. The submission deadline is February 3rd, 2023. All accepted posters will be presented at the workshop.

Key Dates:

Submission deadline: February 3rd

Notification of Acceptance: February 13th

Posters ready: March 27th

Workshop: April 19th 8:30-12:30

Technical Program

8:30-10 Invited Speakers

10-10:30 Coffee break

10:30 -12:30 Poster Session and Open Discussion

We look forward to your contributions and can't wait to meet you for discussion!

If you have any questions, please email at antonello.rosato@uniroma1.it.

