dAIEDGE

A network of excellence for distributed, trustworthy, efficient and scalable AI at the Edge

Welcome to the second dAIEDGE newsletter!

daiedge.eu

Dear members of the dAIEDGE community,

It is our pleasure to welcome you to the second edition of our newsletter. We are very pleased to share with you the progress and achievements we have made so far.

Our network of excellence seeks to strengthen and support the development of a European cutting-edge AI ecosystem under the umbrella of the European Lighthouse for AI, and to sustain the development of advanced AI. With a focus on collaboration, exchange of ideas and development of innovative solutions, we are working tirelessly to drive innovation and technology in Europe and position the EU as a world leader in the data economy and its applications.

Keep scrolling to learn more about our progress and stay updated on what's in store in the coming months.

dAIEDGE 1st Open Call

This initiative is designed to support and fund innovative projects that will advance the development and deployment of distributed, trustworthy, efficient, and scalable AI at the edge.

Join Us!

We are looking for **10 researchers or PhD students** in the field of Edge AI to join our project and collaborate on novel research. **Register from 29th August.**

Who Can Apply?

We welcome applications from **StartUps, SMEs, and Research Institutions.**
StartUps, especially early-stage companies looking to develop or enhance AI solutions, are encouraged to apply. SMEs working on cutting-edge AI technologies will find this opportunity particularly beneficial. Additionally, academic and research bodies focusing on advanced AI research are invited to participate.

Key benefits of participating include significant **funding opportunities** to accelerate your AI projects, access to **expert guidance** from leading AI professionals, and valuable **networking** prospects with other innovators and industry leaders.

More information

News & Updates

Workshop on Edge AI functional and non-functional requirements

dAIEDGE organised a "Workshop on Edge AI Functional and Non- Functional Requirements", with major European projects participating in the event.

Alain Pagani, coordinator of the dAIEDGE project, presented the concept and objectives of NoE, and Ovidiu Vermesan, coordinator of the Chips JU EdgeAI project, presented the objectives and concepts of Edge AI and its continuity.

Read more

4th IEEE Workshop on AI Hardware: Testing, Reliability and Security (AI-TREATS)

dAIEDGE also co-organised the 4th IEEE Workshop on AI Hardware: Testing, Trustworthiness and Security (AI-TREATS), which coincided with the 29th IEEE European Test Symposium. It brought together researchers and industry professionals and included a round table on networks of excellence for edge AI in Europe, where our project coordinator, Alain Pagani, participated.

Read more

From Research to Market

We participated in the first edition of "From Research to Market", a meaningful event in the field of AI. This conference marked a milestone in the convergence between research and practical application in trustworthy AI, laying the foundations for closer collaboration between industry and academia.

Read more

Achievements and Highlights from the 4th 2024 Community Workshop and AIDA Symposium

At dAIEDGE we are proud to have co-organised the Fourth 2024 Community Workshop and AIDA Symposium, where ideas and best practices were shared and collaboration beyond the NoEs was fostered.

Alain Pagani presented dAIEDGE in the plenary session, and the team organised a workshop on "Next Generation Infrastructure Federation" with prominent panellists such as Jean-Marc Bonnefous (BCA), Nuria Pazos (HES-SO) and Miguel de Prado (VERSES).

Read more

Partner Highlight

Giovanni Neglia, a partner and researcher from INRIA, has significantly contributed to the dAIEDGE community by co-authoring two notable research papers:

1. A Cautionary Tale: On the Role of Reference Data in Empirical Privacy Defenses. This paper investigates the pivotal role that reference data plays in the empirical evaluation of privacy defenses. It highlights potential pitfalls and challenges in using reference data for validating privacy protection mechanisms.

2. **Improved Stability and Generalization Guarantees of the Decentralized SGD Algorithm.** Presented at ICML, this paper delves into the enhancements in stability and generalization guarantees of the decentralized stochastic gradient descent (SGD) algorithm. The research outlines theoretical and empirical improvements that make decentralized SGD more reliable and efficient.

For more detailed information on these publications, please visit our

Read more

Upcoming Events and Activities

Innovations in Edge AI: Green Blockchain, Cybersecurity, and Collaborative AI

26 August 2024 (9:00 - 12:40)

Innovations in Edge AI:
Green Blockchain, Cybersecurity, and Collaborative AI

📅 26 August 2024   🕐 9:00 - 12:40

🎓 ONLINE

We invite you to participate in our next webinar on artificial intelligence, innovation, cybersecurity, green blockchain and many more topics.

The event will feature renowned experts. **We look forward to seeing you there!**

Register now here

European Conference on EDGE AI Technologies and Applications - EEAI

dAIEDGE will be co-organiser of the next European Conference on AI EDGE Technologies and Applications, EEAI 2024.

21 - 23 October at the Hotel Regina Marguerita

European Conference on EDGE AI Technologies and Applications - EEAI

Connecting the future and driving the next wave of technological advancements for a better world.

21-23 October 2024, Cagliari, Sardinia, Italy

Register now here

Thank you for being part of the dAIEDGE community!
Stay tuned for future editions of our newsletter to learn more about our developments and events