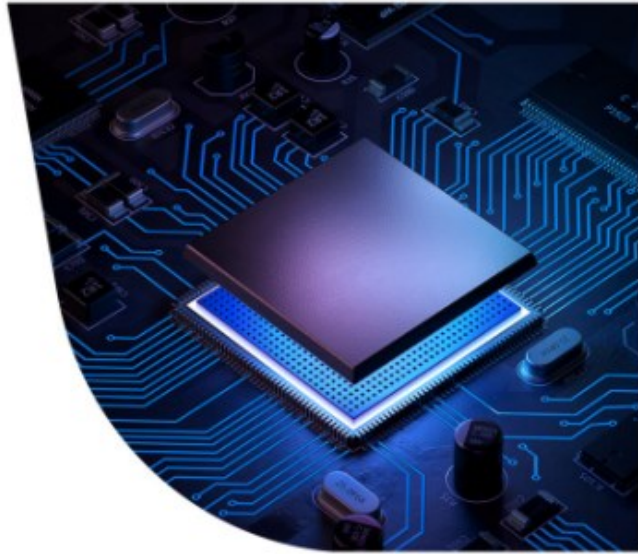


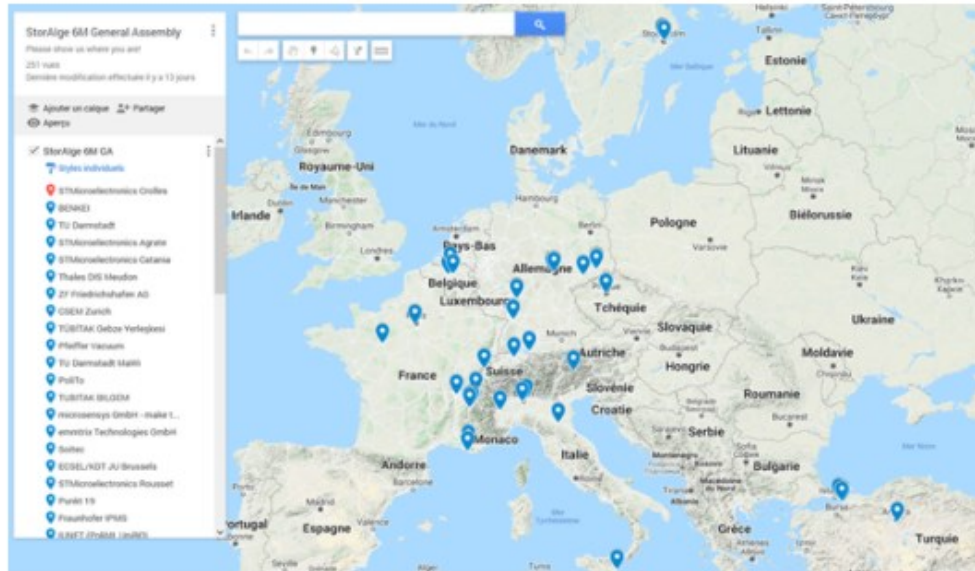
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StorAige

Embedded storage elements
on next MCU generation
ready for AI on the edge



Editorial





2022 is off to a good start with the organisation of the first General Assembly meeting of StorAIge!

Even if the meeting was organised online because of the COVID-19 constraints, no less than 85 scientists from 52 locations in Europe participated on 8 and 9/02/2022 to the 6 Months General Assembly meeting. All intensive networkers for the development of 'AI at the edge'!

Many results were shared concerning AI implementation at architecture, component level and at system level. Progress were already pointed out in the eNVM silicon technologies roadmap and MCUs using 28nm FDSOI ePCM are now in the prototyping phases for Automotive Applications. The requirements of the 15 AI use cases are under review. An expert committee has been appointed, composed of experts from different technology fields, who meet regularly to give a critical opinion on the specifications and performances targeted by the applications in relation with the basic blocks/components available or to be developed in the framework of the project. In addition, management tools were implemented to anticipate, monitor and assess project progress and to ensure a smooth collaboration and integration of all 40 partners. A visual identity was created and the StorAIge website (storage.eu) was online by the end of 2021!

Dominique Goubier, STMicroelectronics (CROLLES), coordinator of StorAIge

Events



The StorAIge project held a booth at [EF ECS 2021](#), the European Forum for Electronic Components and Systems from 23 to 25 November 2021.

This online international event with focus on 'Our Digital Future' for a green and competitive Europe along the Electronic Components and Systems value chain in Europe, provides the opportunity for ECS stakeholders to meet and build new collaborations.

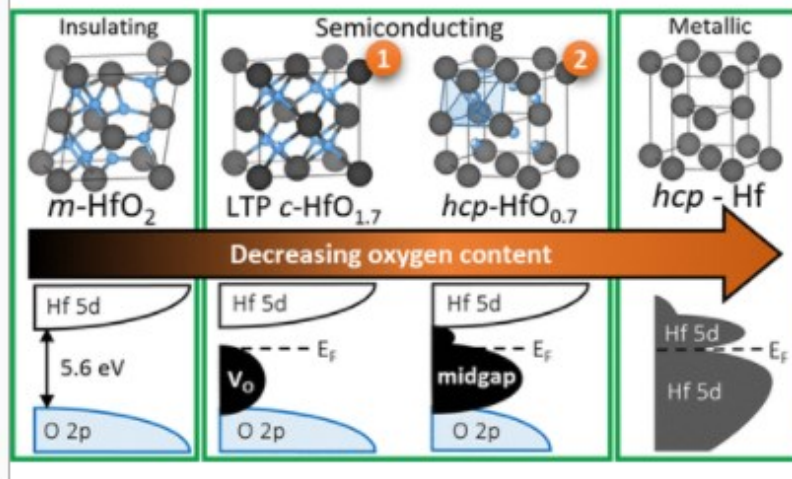
StorAIge partners also participated in the:

- - 11th IEEE international Conference on RFID Technology and Applications (RFID-TA IEEE - <https://2021.ieee-rfid-ta.org/> - 06-08/10/2021) (IMMS)
- - 4th International Conference on Memristive Materials, Devices & Systems (MemrYSIS 2021 - <https://www.nims.go.jp/memrYSIS2021/> - 04/11/2021) (TU Darmstadt)

Come Meet us at These Events!

- 15-18/05/2022: [International Memory workshop](#) (IMW22 Conference) (CEA)
- 20-29/06/2022: [9th Forum on New Materials](#) (CIMTEC 2022) (TU Darmstadt)
- 19-22/09/2022: [52nd European Solid-State Device Research Conference](#) (ESSCIRC) / [48th European Solid-State Circuits Conference](#) (ESSDERC 2022) (STMicroelectronics Italy)
- 28/05/2022-01/06/2022: [International Symposium on Circuits and Systems](#) (ISCAS 2022) (Politecnico di Torino)

Discover the First Scientific Publication within StorAIge!



Congratulations to our partner, TU Darmstadt, for the writing and publication of this article!
"Defect-Stabilized Substoichiometric Polymorphs of Hafnium Oxide with Semiconducting Properties"
 Nico Kaiser, Tobias Vogel, Alexander Zintler, Stefan Petzold, Alexey Arzumanov, Eszter Piros, Robert Eilhardt, Leopoldo Molina-Luna, and Lambert Alff. ACS Appl. Mater. Interfaces 2022, 14, 1290–1303
<https://doi.org/10.1021/acsaami.1c09451>

Our Partners

The StorAIge project consists of the 40 partners below. Their skills, expertise and experience complement one another on this project. [Click here to discover the consortium!](#)

In addition, [benkei](#) supports the management of the project with STMicroelectronics.



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JU, EU and ECSEL JU emblems must appear in all publications and communication activities: This project has received funding from the ECSEL Joint Undertaking (JU) under grant agreement No 101007321. The JU receives support from the European Union's Horizon 2020 research and innovation programme, and France, Belgium, Czech Republic, Germany, Italy, Sweden, Switzerland, Turkey



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