Program

Industrial deployment of spintronics for a more frugal digital world: opportunities and obstacles?

Thursday 28 November 2024 - World Trade Center in Grenoble

Thursday morning

8:30 am - 9:00 am
Welcome coffee

9:00 am - 9:15 am: MINALOGIC and SYSTEMATIC Innovation Clusters, PEPR SPIN
Introduction

9:15 am - 9:45 am: Lucian Prejbeanu, SPINTEC
Spintronics: Recent Advances and Future Innovation Potential

9:45 am - 10:05 am: Simone Bertolazzi, YOLE
Navigating the Magnetoresistive Device Landscape: Market and Technology Trends

10:05 am - 10:25 am: Lucille Engels, ICAlps
IC design experience integrating MRAM/interfacing TMR sensor

10:25 am - 10:45 am: Johannes Müller GlobalFoundries
Embedded STT-MRAM – Building Trust and Moving Ahead

10:45 am - 11:10 am: Coffee break

11:10 am - 11:30 am: Berthold Ocker, SINGULUS
Challenges and Opportunities for equipment manufactures in Europe

11:30 am - 11:50 am: Siamak Salimy, HPROBE
Advanced testing for spintronic devices

11:50 am - 12:10 pm: Olivier Faynot, CEA-LETI
European Pilot Lines within Chips Act strategy: Role of spintronics

12:10 am - 12:25 pm: Jeremy Perret, CIME-P
Multi Project Wafer (MPW) Prototyping Centre

Lunch - 12:25 am - 2:00 pm

Thursday afternoon

2:00 pm- 2:10 pm: Hervé Martin, Chief of the Department of Mathematics, Physics, Nanosciences, and ICT - MESR
Government expectations in spintronics and frugal electronics (in French)

2:10 pm - 2:30 pm: Mihai Miron, Golana Computing
A new AI solution for Asset Diagnostic in Industrial Environment

2:30 pm - 2:50 pm: Ali Alaoui, Allegro MicroSystems
TMR Risks and Opportunities: How Europe is leading R&D but missing market share

2:50 pm - 3:10 pm: Johannes Paul, SENSITEC
Magnetoresistive sensors: Existing applications and new trends

3:10 pm - 3:30 pm: Jean-Philippe Attané, Nellow
Ferroelectric spintronic components for ultralow power logic and AI

3:30 pm - 3:40 pm: Marko Erman, Paolo Bortolotti, THALES
Defense and security: Low-energy architectures based on novel enabling technologies for embedded applications in the defense domain: opportunities for spintronics

3:50 pm - 4:35 pm: Round Table
What are the obstacles to the development of national industrial champions in spintronics and what can be done to help them emerge? (in French)

4:35 pm - 4:40 pm: Conclusion