



# WAKeMeUP gives the floor to...



## CHRISTELLE CHARPIN-NICOLLE

*Project Leader  
at CEA-LETI (Grenoble, France)*



### WHAT IS YOUR BACKGROUND?

I am a physics engineer from Phelma School in Grenoble. First of all, I worked in Framatome in the field of simulation to calculate deformations due to thermal constraints in nuclear plants. Then, I moved to CEA in the Paris region to work on physico-numerical studies of the MegaJoule target, in the field of plasma physics. In 2001 I moved to CEA-LETI in Grenoble where I started to work in the field of microelectronics, more specifically in the development of etching processes and advanced lithography techniques (Extreme UV, Nanoimprint). Since 2009, I am involved in the development of emerging memories and I have been in charge of several industrial and European projects. I am the author or co-author of roughly 60 publications and more than 20 patents.



### WHAT IS YOUR CURRENT POSITION IN YOUR COMPANY?

I am a senior researcher and project leader at CEA-LETI. As CEA-LETI is involved in different projects and WPs, I am in charge of the coordination of all the WPs. For this reason, I interact with all the partners involved in these WPs to make sure that everything goes well. I mainly perform project management activities that require technical knowledge. In the WAKeMeUP project, I am the WP3 leader and I also ensure the technological achievement of embedded memory research. The WP3 is dedicated to the technological improvements of embedded memories. This WP3 involves 8 partners (industrial and academic).



### WHAT ABOUT GENDER EQUALITY IN YOUR COMPANY?

At CEA LETI, we have a proactive policy of balancing the ratio of male to female hires. The proportion of women is now about 35% and rising. A particular care is given to CEA-LETI to promote the quality of the people by highlighting the increasing share of women in key positions and valuing the quality of the staff. Historically, in the sciences and particularly in physics and microelectronics, the share of women was very small, but in recent years, gender equality has improved and more women are occupying management positions as project leaders, team managers and even directors.



### WHAT IS YOUR VISION FOR YOUR FUTURE CAREER?

Following the project management in WAKeMeUP, I find that this experience has enriched me a lot and I want to continue in this way. I will manage other projects and, in particular, I will be the project manager for CEA-LETI in the StorAIge project, the continuation of the WAKeMeUP project. And of course I will continue to progress in my technological expertise by working in other projects in connection with industrial partners.



### WHAT HAS WAKEMEUP BROUGHT YOU?

First of all, I am used to work in collaborative projects as a technology activity researcher. Thus, I have already worked on European projects, such as Fantastic (focused on nanoimprint technologies), Extumask (focused on UV masks) and Refined (focused on embedded flash memory renewal). My involvement in the WAKeMeUP project has been broader in the fact that I am a work-package leader. I particularly appreciated the strong interaction between the partners, especially when the work leads to many common works leading to joint publications. A particular point was the need to exchange samples from one partner to another. This has created many fields of constraints but has also allowed creating an active cooperation between the partners and has given the opportunity to work on other fields and to gain visibility and experience. For me, the most rewarding aspect of my role in WAKeMeUP is the successful collaboration between partners.