

## ***Model-driven & Component based engineering***

*Presenter: Jeremie Pouly (CNES)*

In the framework of its R&T program, CNES has been working for several years on a model-based SW development process. This new process, designed in order to facilitate the transition between the classical documentation-centred V cycle and the contemporary model-based Y cycle, is based on UML and is fully integrated in Topcased. It involves model simulation, automated tests, code and documentation generation, and it enables a component-based approach. This presentation will aim at presenting the achievements made in this area throughout the use case of the AGATA OBSW development. It will also identify limitations, risks and way forward.