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### **When**

Wednesday October 16<sup>th</sup> 2019 from 11am-12pm EDT (3pm  
– 4pm UTC)

### **Topic**

Fostering MBSE in the Corporate Engineering Culture: The  
Thales Story

### ***Speaker***

Stéphane Bonnet



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## Abstract

Thales has identified very early on model-based engineering practices as key levers to cope with the increasing complexity of systems, products, and industrial schemes. Back in 2003, before the birth of SysML, in-house systems engineering profiles were developed on top of UML and deployed on pilot operational projects in air traffic control management and naval combat systems. Nearly 15 years later, the Thales-developed Arcadia MBSE method and graphical modeling workbench Capella have been made open source and are now used by multiple organizations in different engineering domains worldwide. In the meantime, engineering practices in Thales have significantly evolved.

This long journey has not been a quiet and easy one. While it has taken multiple concurring factors from the continuously renewed commitment of the top management to the daily resilience of a network of highly skilled MBSE pioneers to reach the current point, the destination still does not seem close enough.

This webinar retraces this story and describes its major steps, each coming with their own little successes and challenges. More than just telling the story of the method and the tool, it also describes the organizational aspects of this huge transformation of engineering practices: strategy, governance, support, coaching, communication, etc.

## Biography

Stéphane Bonnet is MBSE Head Coach in Thales Corporate Engineering, where he is in charge of the definition, management and delivery of engineering services to Thales business units. He holds a PhD in software engineering and is the design authority of Capella, an open source modeling workbench for systems, hardware and software architectural design.

From 2006 to 2015, he has led the development of Capella and has been an active contributor to the Arcadia engineering method. He now dedicates most of his time to evangelization, training and coaching activities, both within and outside Thales. He helps engineering managers and systems architects implement the MBSE cultural change, with a range of activities spanning from strategic engineering transformation planning to project-dedicated assistance to modeling objectives definition and monitoring.

As sponsor of the Thales MBSE community, he animates and coordinates networks of experts from all business units to promote cross-fertilization, to capture operational needs, and to orient the method and workbench evolutions and roadmaps.

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Regards,

Andy Pickard

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