



# MBSE & SysML INTRODUCTION

## ***Course Descriptions***

This course provides the participants a combination of the fundamental and practical aspects of MBSE and SysML. The course first deals with explaining the core concepts of MBSE. Next, several practical exercises are performed to demonstrate the basics for deploying MBSE using SysML without using any specific tool. Finally, the course wraps up with a discussion of the challenges faced when developing and deploying MBSE in real-world applications and how to manage it. Course Prerequisites: System or software engineering knowledge. No prior training is required.

## ***Learning Outcomes***

- What is MBSE, modeling language, modeling method and modeling tool?
- SysML basic concepts.
- Why should we use MBSE and how it manages system engineering challenges.
- How to start with MBSE, what to do and what not to do.

## ***Who Should Attend?***

- All engineers, particularly systems and software engineers/architects or those who work with requirements, concept description, traceability and aim at improving how

they analyze, design, and manage their systems.

- All managers, particularly those who aim at deploying MBSE to reduce design time, improve product quality, manage complex products, save cost and ensure reusability.

## **Course Rates**

Early Bird Rates: 1,350 CHF. Regular Rates: 1,500 CHF

## **Duration**

2 days

## **Delivered By**



Mohammad Chami

Model based systems engineering expert with a solid academic and industrial experience in modelling languages, processes, developing and deploying methods for system modelling and customising its tools.

Other qualifications:

- Mohammad holds two master's degrees in Electronics and Mechatronics, and the OMG Certified Systems Modelling Professional Certificate (OCSMP)
- Has the Bombardier Recognition of appointment as "Engineering Management, Processes, Methods and Tools" Expert
- Is a member of INCOSE and actively participating in its chapters GfSE, SWISSED and other activities (e.g. OMG, NOSE, AFIS, MODELS).
- Author or co-author of numerous publications and gave various presentations and talks at international conferences.

