

SYSTEMS ENGINEERING

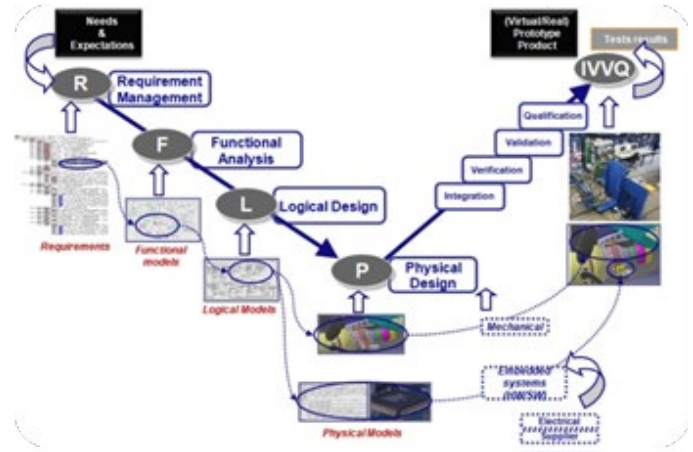
Mechatronic systems design using the RFLP design philosophy.

OBJECTIVES

- Discover the collaborative work and RFLP concepts.
- Identify and explore the different stages of the realization of a multidisciplinary project.
- Be able to define and design a simple mechatronic system.

CONTENTS

- Management and definition of requirements.
- Definition of the functional part from the requirements.
- Realization of the logical part using Modelica / Dymola to do the modeling and the concept of FMI to do Co-Simulation.
- Integration of a physical model into the system.
- Validation and simulation of an RFLP system.



APPLICATIONS



Social Innovation apps

Related brands : ENOVIA, 3DSWYM



Requirements



3D Modeling apps

Related brands : CATIA



Mechanical Sys Design



Functional & Logical Design

PREREQUISITES

Knowledge of 3DEXPERIENCE platform, CAD, CAM, Machining.

AVAILABLE IN

English, Spanish and French.

DURATION
35H over
5 days

LOCATION
UFR MIM
3 rue Augustin Fresnel
57070 METZ