

Project Group

Artificial Intelligence for Systems Engineering

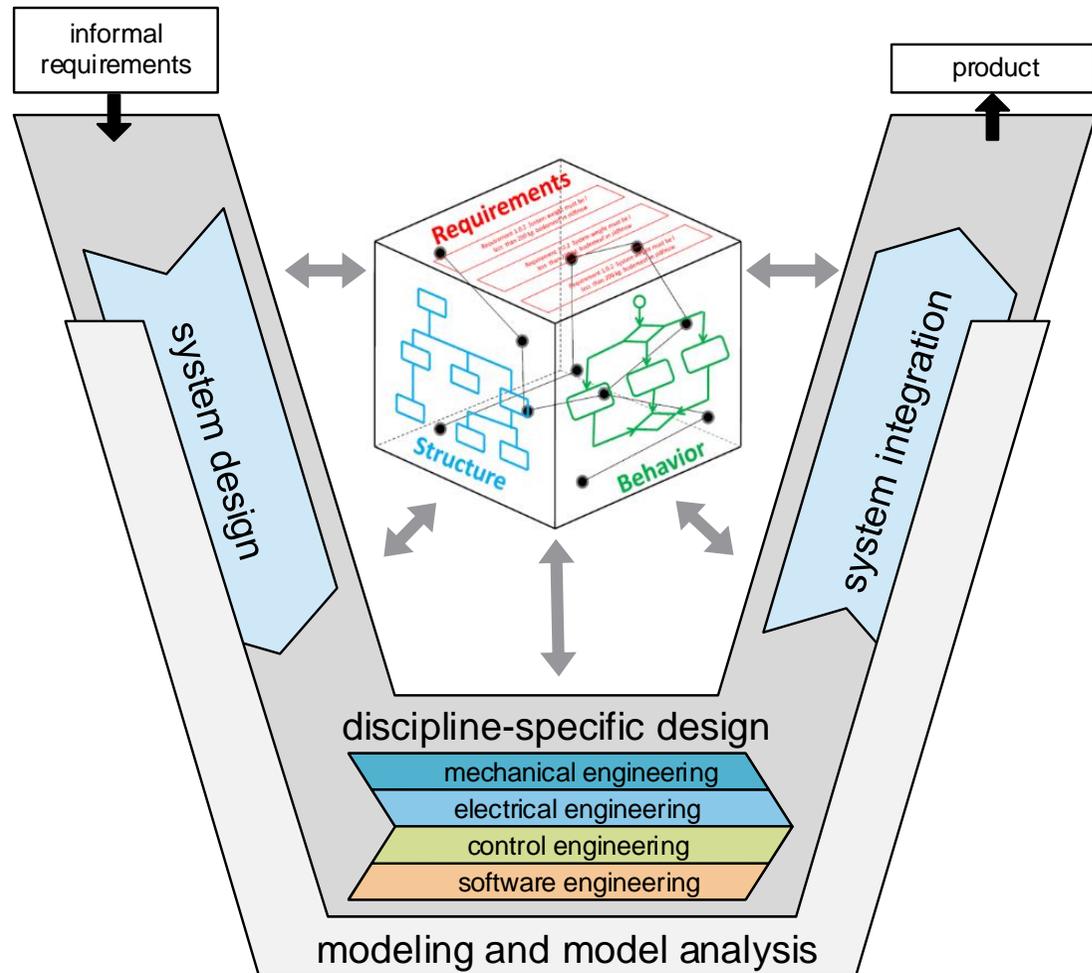
Systems Engineering

Systems Engineering is an enabler for the development of intelligent technical systems



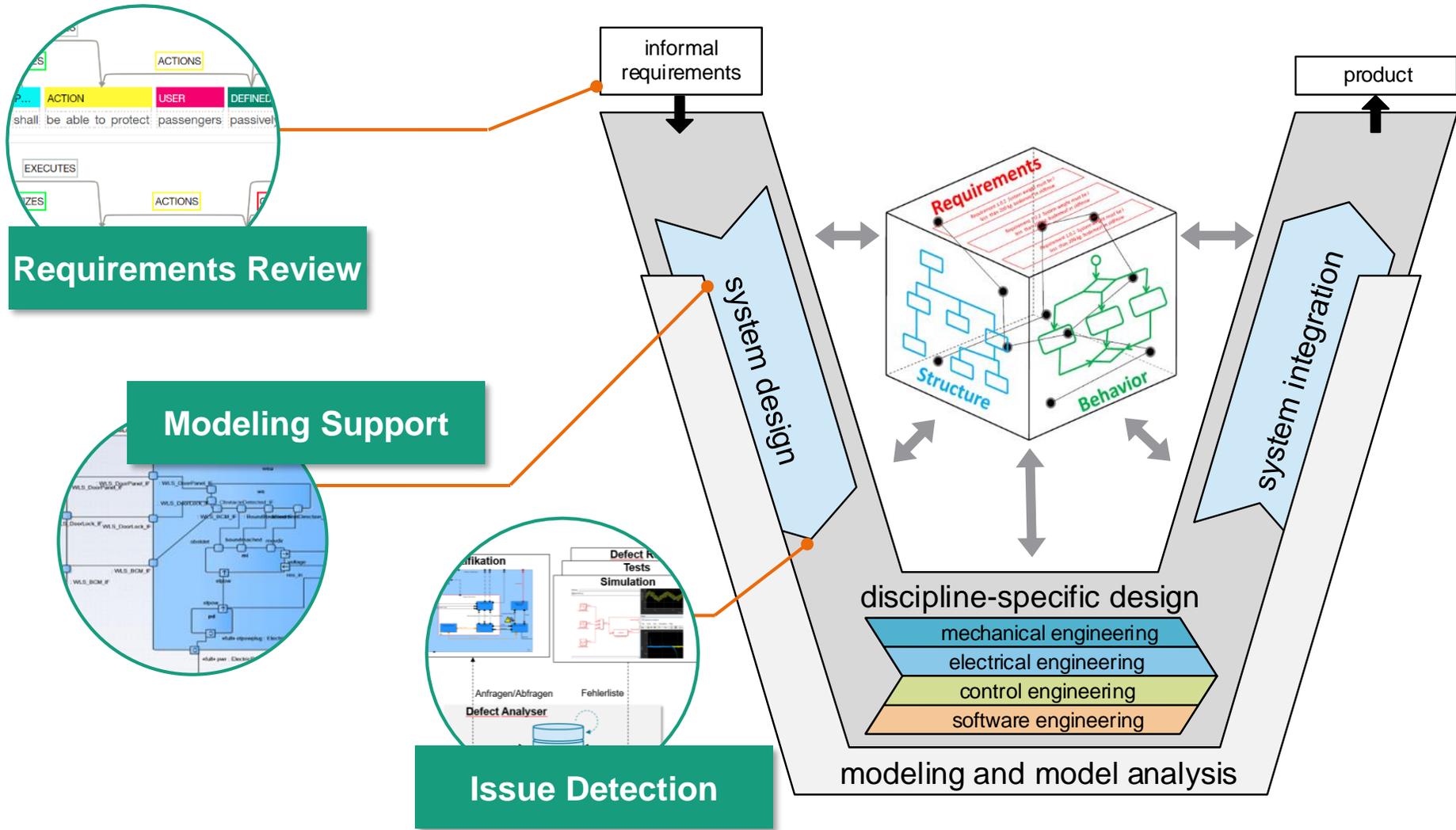
Systems Engineering

Systems Engineering considers the complete development process of technical systems



Intelligent Assistance Systems in Systems Engineering

Intelligent Assistance Systems increase Productivity





Artificial Intelligence for Systems Engineering

Fundamentals

Prior Project Groups

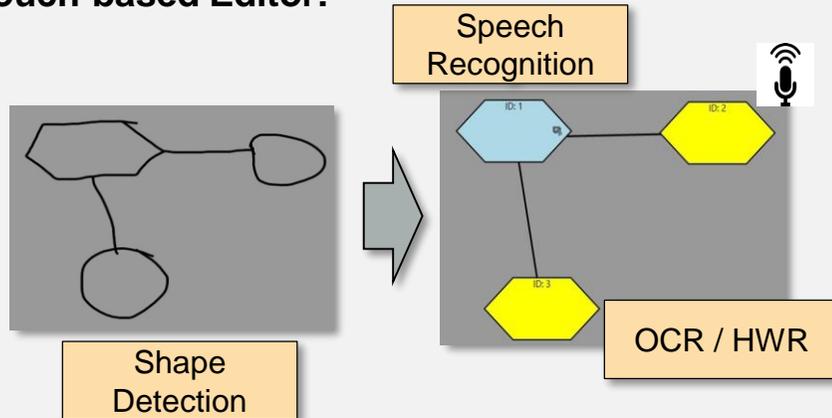
Jarvis4MBSE Prototypes



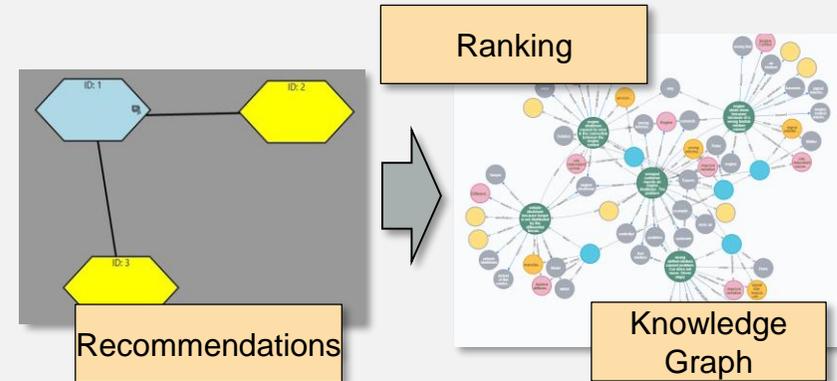
J. A. R. V. I. S.

FOR MBSE

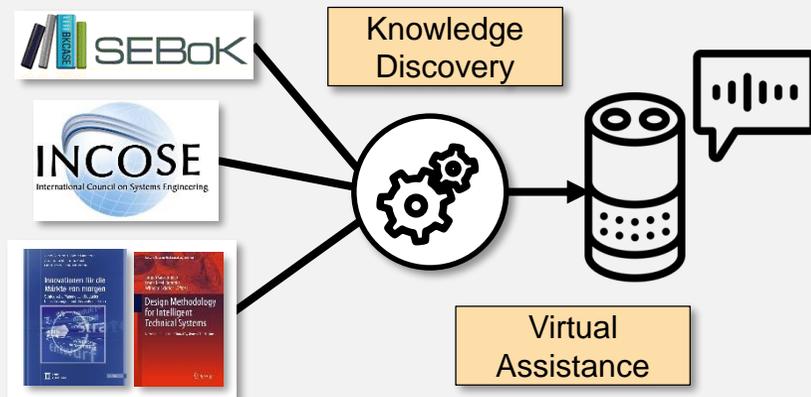
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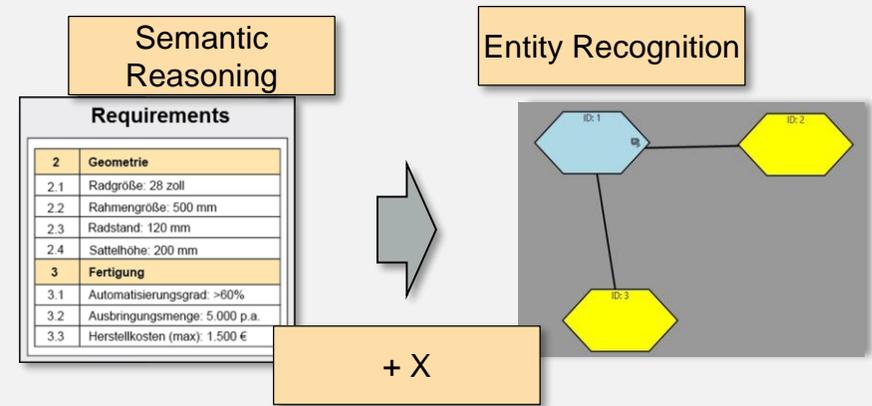
MBSE Knowledge Graph:



Virtual Systems Engineering Expert:



Model generation



AI Marketplace for Product Creation

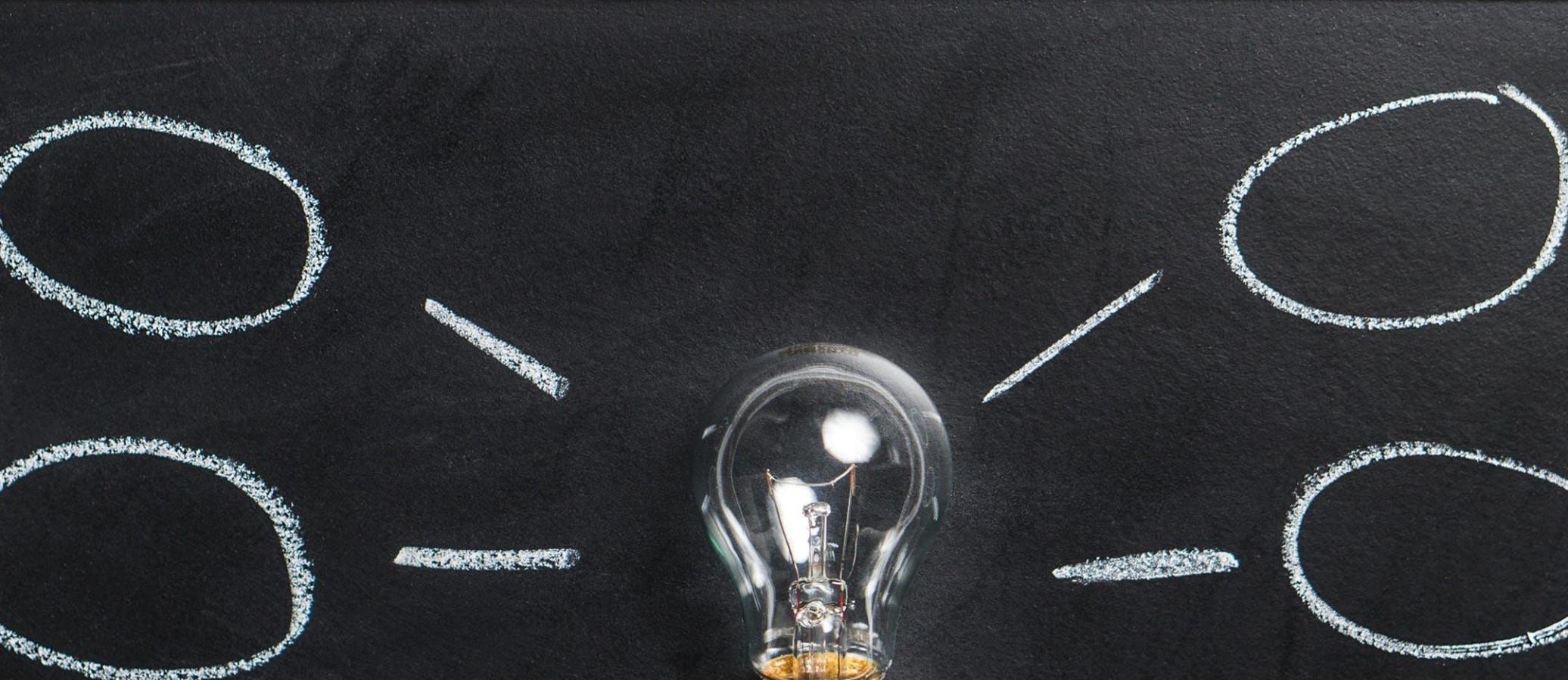
marKtplatz

Mit Unterstützung des Technologie-Netzwerks **it's owl**



Associated Partner





Artificial Intelligence for Systems Engineering

Prerequisites & Working Style

Prerequisites

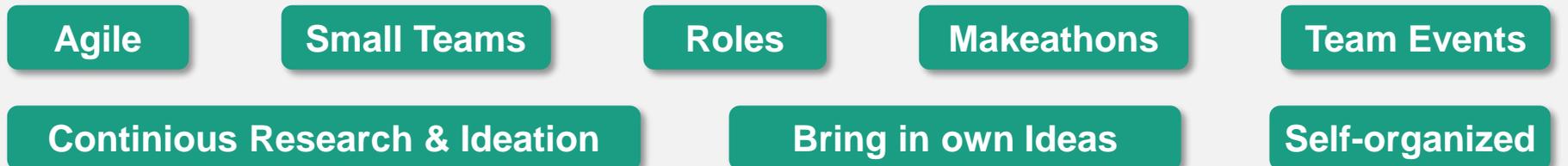
Technology Stack:



Prerequisites:



Working Style:

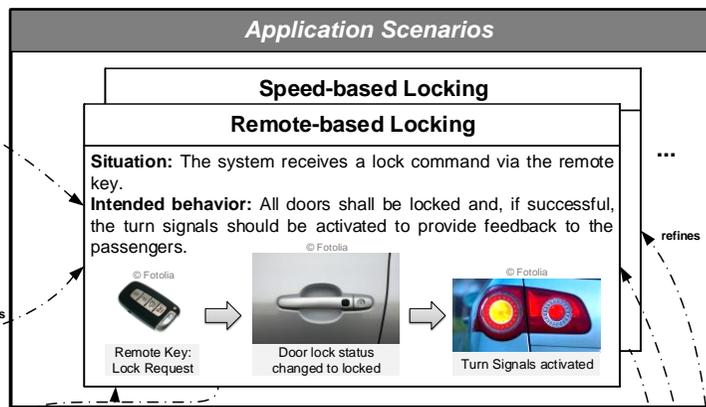
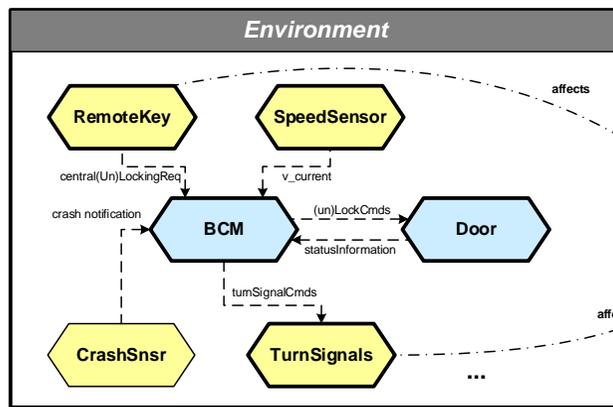


The background features a dark blue hexagonal grid pattern. Overlaid on this are glowing blue lines that form a brain-like shape on the left and a circuit-like pattern on the right. Binary code (0s and 1s) is scattered throughout, particularly around the brain shape. The overall aesthetic is high-tech and digital.

Artificial Intelligence for Systems Engineering

Thank you!

Systems Engineering Systems Engineering uses formal models



Requirements

ID	Description
5	Remote-based Locking
5.6	The door lock shall confirm the outcome of a (un)-locking operation.
5.7	The turn signal feedback operation has to be activated within 200ms.
6	Speed-based Locking
6.3	All doors shall be locked when exceeding speed threshold <code>spd_thrsh</code> .

