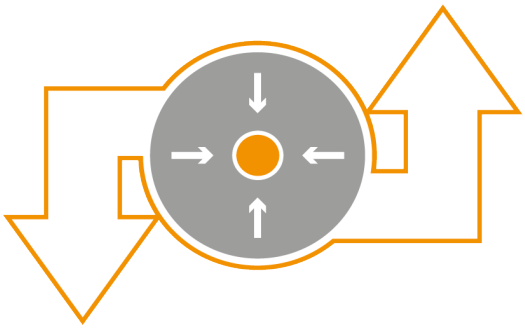


CPRE AGILE REQUIREMENTS ENGINEERING WORKSHOP

תיאור הקורס

Requirements Engineering principles are comprehensively discussed and are contextualised to be valid for any system: embedded systsm, safety-critical systems and traditional information systems. At the same time, there will also be scope to look at individual cases brought forth by the participants and apply the learned principles to those particularities.

This workshop is not based on any specific software development approach or process, and is intended to be applicable across domains.

תוצאות הלמידה

Know the definition of Agile Requirements Engineering

Understand the goals of Agile Requirements Engineering

Know who is responsible for good requirements within SCRUM

Be able to ensure a clean project start

Be able to handle functional requirements, quality requirements and constraints

Prioritise requirements based on business value, risk, dependencies and relative effort

למי מיועד הקורס

Requirements Engineers
Business Analysts
Business Engineers
Organisation Designers

מחירי הקורסים

Early Bird: 1,350 CHF; Regular: 1,500 CHF

משך הקורס

2 days

המרצה



Marco Di Maio

Marco has had many roles in Systems Engineering: Professor at a technical university, and Consultant for and Employee in the development of complex systems. He was the managing director of projectglobe - a boutique consultancy firm specialising in Model Based Systems Engineering (MBSE) and Information Management (IM) to support innovation driven engineering projects. Major customers are the fusion research community, the automotive industry, and 3D laser-welding and robotics companies.

Marco holds a PhD in nuclear engineering and a Masters in Operational Research. In his role as

research fellow at Europe's largest fusion laboratory, JET near Oxford, he devised a novel diagnostic system, which earned him a world-wide patent. Marco then worked for the automotive industry managing product development and launch projects for the emerging markets of Eastern Europe and Russia before co-founding projectglobe with the purpose to devise novel methodologies, frameworks and tools that combine MBSE with IM to enable effective innovation and product development.

Together with partners from industry and academia, projectglobe have developed CLOSE - a Closed-Loop MBSE methodology based on robust semantic reference model. This model allows to automatically generate the required engineering artefacts in the correct format for SE teams and domain experts alike. The loop is closed by so-called "Experimentable" Digital Twins that provide in-the-loop feedback for all developers throughout the whole product life cycle. CLOSE runs on projectglobe's fractal data engine and thus allows for unlimited scalability in managing all project information.



Oliver Fels

Oliver Fels has been the first independent European speaker at the 1997 JAVAOne conference and the first independent to speak three years in a row.

Since then, Oliver Fels has been working in major industries developing complex systems, filling various roles - as a project manager, department lead, systems engineer, architect, product owner, requirements and methodology engineer, and more.

As a leading systems engineer, he supported revolutionize the Z□rich public transport system, being responsible for the new passenger information concept.

In a department lead role, he redesigned hands-on the first and business class sections for the 21st century of various international airlines.

With his high interest for sustainability and renewable energy, Oliver was also an active member of the Solar Impulse 2 project, the first solar flight around the world accomplished by Swiss

entrepeneur and pioneer Bertrand Piccard.

Oliver is currently actively supporting sustainability and renewable energy projects using blockchain technology and is the inventor of the sustainability engineering methodology, which uses system engineering principles to aid enterprises structuring their sustainability strategies.

Oliver has held several speeches and international workshops in the area of systems engineering, IT security, and software development as well as coached engineers in leadership, requirements engineering, and other topics.

Having worked in various diversity environments, he highly emphasizes an intercultural and interoperational approach to working with people in which individualtiy and empathy are highly valued. As such, bringing his broad expertise to a wider audience is an important passion for him.

Oliver holds an egineering degree in computer science and electrical engineering.