

SE ADVANCED

Descrição do Curso

This intensive 5-day course is delivered by four experts, each with a distinct range of knowledge, skills, and experience, meaning you will gain a diverse and comprehensive view of advanced SE, and an unparalleled, interactive learning experience.

This course has been devised to compliment your work within complex product development as you take on more responsibility and mature into more senior roles.

Objetivos

• Identify common attributes and causes of complexity.

- Master the application of Systems Engineering methodologies to complex system developments.

- Master key technical management competences required for matrix/project leaders.

- Apply soft skills applicable for technical matrix/project leaders.

- In a moderated workshop develop sustainable solutions in the System of Systems context.

Parra Quem

Intended for those who have completed an SE Foundations course or those looking to progress to/or currently in technical matrix leadership positions.

Tarifas dos Cursos

Early Bird: 3375 CHF | Regular: 3750 CHF

Duração

5 dias

Instrutor



Seb Klabes

Sebastian escreveu e fez a crítica de varias publicações e si apaixonou por implementação de princípios de engenharia .

Depois de ter trabalhado para o istotutoé de Transporte e de Ciências de RWRH Aachen como pesquisador associado, ele trabalhou no centro alemão aeroespacial como responsável de projeto e engenheiro sistema em Bombardier.

Sebastien é agora na cabeça du departamento RAMS em Siemens, dentro da divisão <>. ele està envolvido no comite da associação suiça de engenheiros sistema, certificado para ensinar engenharia de sistemas na Siemens.



Mike Johnson

Mike trabalhou dentro do desenvolvimento de produtos dentro da industria da defesa e do espaço desde a obterão de seu Masters em aparelhos fotônica e optoeletrônicos a universidade St Andrews, Inglaterra.

Mike sempre foi engenheiro sistema, dirigiu varias equipes de desenvolvimento técnico incluindo engenheiro mecânico, elétrico, tecnológico, software, e ótico.
ele trabalhou a Ruag Space durante 5 anos a Zurique. Durante esse período, ele obteve papeis de direção e foi a cabeça do grupo optoeletrônicos e instrumental. Caso contrário, ele formou engenheiros sistema dentro de toda a empresa.

Mike integrou a Roche Diagnostics International para pegar a carga da equipe de engenheiros sistema a Rotkreuz na Suiça. Ele coloca em prática
com faro e paixão a seus conhecimentos
e suas experiências em engenharia sistema dentro industria e saúde.

A paixão de Mike é o desenvolvimento de produtos e engenharia de sistema. Ele é um dos fundadores da Sociedade Suiça des Engenheiros (SSSE) e ir regularmente ao seminários suíços da IET e INCOSE. É ele quem fundou SWISSSED, a conferência suiça anual de engenharia sistema.



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.



Sandra Roth

Sandra is a leadership, team and change management coach with a decade of experience in R&D as a usability engineering expert, user experience leader and SW development department head in a global medical device manufacturer.

Sandra has a M.Sc. in Psychology, a Ph.D. in Human Computer Interaction and holds several coaching degrees.