

Workshop: Risk Analysis

Date: 2020.0

Venue:

The goal is to introduce the principles of the most widely used risk analysis methods. The students will learn how to select suitable risk analysis methods for their technology projects. The basics of the risk magnitude estimation are presented. The organization of a risk analysis project is discussed, including effective risk management tools, documenting and practices. **Bring a scientific calculator with you.**

Risk Analysis	
8:00	<i>WELCOME and introduction to course program + coffee</i>
8:30	1. Basic Terms and Concepts <ul style="list-style-type: none"> - Risk analysis importance - Concepts, definitions, terms, standards - Risk analysis methods, principle, selection, ensuring sufficient risk detection
10:15	<i>COFFEE break</i>
	2. Preliminary Risk Analysis <ul style="list-style-type: none"> - Potential Problems Analysis, Hazard Analysis, simple risk detection - Risk magnitude, how to calculate and use in risk classification
	- Exercises
12:00	<i>LUNCH</i>
13:00	- Exercises/ team work
	3. Risk Analysis for Processes and Systems <ul style="list-style-type: none"> - Process structure, subsystems, operational modes - Methods, overview: Hazop, FMEA, Action Error Analysis, RAM etc. - Risk reduction, SIL, LOPA
14:15	<i>COFFEE break</i>
	- Exercises / team work
	4. Risk Management Systems <ul style="list-style-type: none"> - Risk management system: basic tools, documenting - Risk management, Reliability management, Safety management, examples
	5. Summary <ul style="list-style-type: none"> - Overview - Discussion: Minimum requirements in a technology project.
16:30	<i>CONCLUSIONS, discussion</i>

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Price: 2-day course: eur/ person. 1-day separately: xx eur/ person. Included: Course materials,

Cancellation: Cancellation latest 1 week before, after that 50 % fee is charged.
 A person may be substituted by another. If the cancellation is not made, the whole fee will be charged.