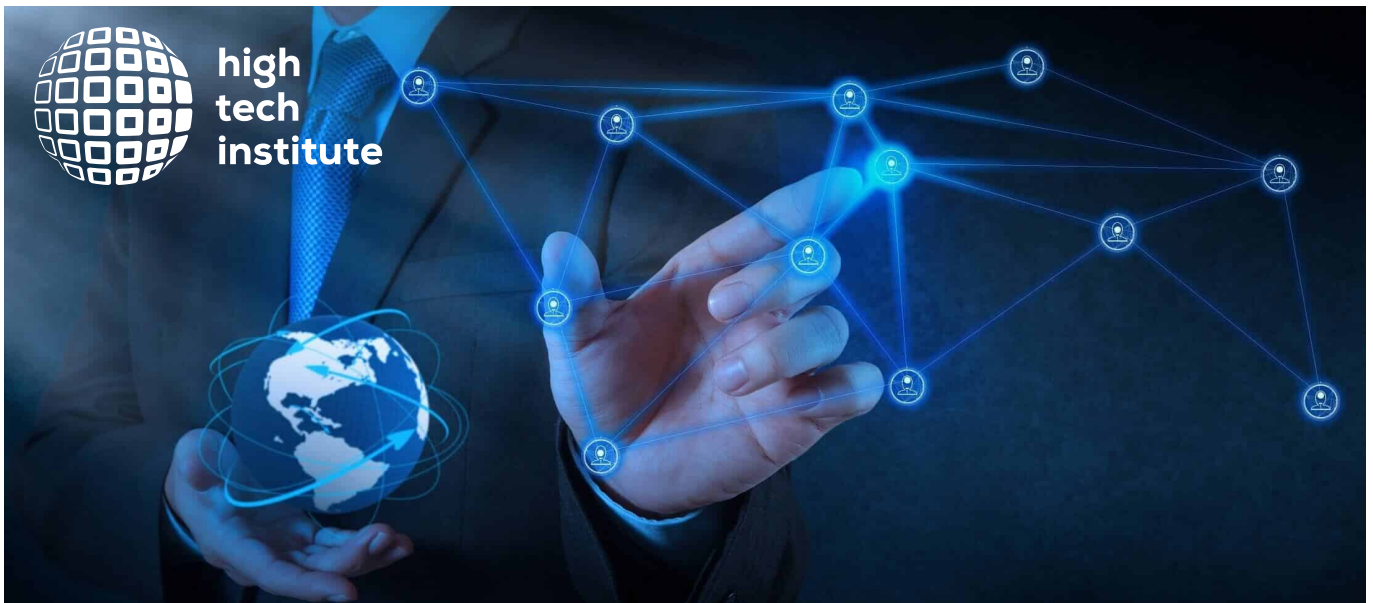


TRAINING BROCHURE

System requirements engineering improvement training



high
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System requirements engineering improvement

Price: € 1,480 excl. VAT *

Duration: 2 consecutive days

Contact: training@hightechinstitute.nl, +31 85 401 3600

Score: 8.6 ★★★★★☆

Pitch: <https://youtu.be/dNXFsUZoj5g>

Intro

This is a comprehensive training for those who work in multi-disciplinary projects, where a strong dependency exists on information transformation from stakeholders to developers, implementers, integrators, testers, and maintenance responsibility. In the training a method is presented that ensures both the quality of requirements as well as a systematic way of translating information from one abstraction level to another without losing information in the translation process.

A handful of trends in the field of system requirements engineering, by trainer Cees Michielsen:

- [Trend 1: Getting your system requirements complete](#)
- [Trend 2: Good quality requirements](#)
- [Trend 3: Traceability](#)
- [Trend 4: The W model](#)
- [Trend 5: Tooling](#)

This training is available for open enrollment as well as for in-company sessions. For in-company sessions, the System requirements engineering training can be adapted to your situation and special needs.

A one-day [SRE awareness training](#) is also available.

Objective

The training aims to:

- Define the context and pre-conditions for specifying good requirements;
- Improve the requirement specification skills of the participants;
- Define steps to establish a well-defined requirements engineering process, leading to effectively writing good quality requirements;
- Give insight into how a product can be structured according to the complexity and dependencies as a result of decisions taken;
- Enable the trainees to implement transparency and traceability for their specifications.



Certification

Participants will receive a course certificate from the High Tech Institute for attending this training. Additionally, if you are pursuing INCOSE certification or certification renewal, you can claim 16 PDUs (Professional Development Units) for completing this training.

Trainers

[Cees Michielsen](#)

** Prices are subject to change. Price correction will be applied at the end of the year.*

Keep me posted



Target audience

This course is intended for:

- Requirements engineers, business analysts, systems engineers, system architects, marketing professionals, project managers, quality assurance professionals.
- Practitioners who have a need or a desire to improve their requirements engineering process.
- For organizations that develop products and need to cope with different levels of abstraction to fulfil the requirements of stakeholders.
- For anyone who wishes to improve their understanding of the dynamics of requirements engineering as part of product development.

Prerequisite: an open mind for innovative methods to manage and engineer requirements.

Program

The training focuses on three dimensions:

1. The product dimension

- Describing the relevant abstraction levels of information that specify the product and their dependencies;
- Identification and specification of the product's architecture, systems, subsystems, disciplines, components and parts;
- Specification of the product architecture element requirements and design decisions, including their dependencies.

2. The process dimension

- With process steps, typical for each sector;
- Product development cycles (life cycle processes);
- Relationship between the process and the product dimension.

3. The people dimension

- Describing the skills and competencies of people directly or indirectly involved in the Requirements Engineering processes;
- The relationship between all three dimensions.

The 'Requirements engineering' training lays the foundation for consistent, transparent, traceable and verifiable requirements. A pre-requisite to develop large complex products in a multi-discipline environment. The examples and workshop parts will be tailored to fit the needs of the participants.

Methods

Presentations, lecture-type parts, workshop-parts and exercises.

Frequency

Twice per year

More information



About trainer Cees Michielsen and 'System requirements engineering'

About trainer Cees Michielsen

Get to know Cees Michielsen and learn more about his experience and the training.

[Watch video](#)



Podcast (NL) with Cees Michielsen about system requirements

[Listen podcast](#)



Podcast (NL) about Trend 1: Getting your system requirements complete

[Listen podcast](#)



Podcast (NL) about Trend 2: Good quality requirements

[Listen podcast](#)



Podcast (NL) about Trend 3: Traceability

[Listen podcast](#)

Read the interview:



Cees Michielsen (Trainer)

'Requirements engineering is the art of identifying the right functions and quantifying their properties to define the problem.'



Cees Michielsen (trainer)

"We have to implement what the customer wants in an efficient but correct way."

Remarks from participants:

- "Learned to follow the correct steps to create complete (as possible) requirements." > Erwin Westerbeek - NXP Semiconductors
- "Good and interesting training. Lecturer has a lot of knowledge about the topic, which is very helpful during discussions." > J. Dekkers - Bosch Rexroth
- "Learned a good structured way of defining requirements." > Paul Claessens - Sioux Embedded Systems
- "Most important items I've learned: All requirements can be captured in function, property & constraint; Quality in defining requirement & interaction with other layers." > Erik Kremers