In an increasingly faster and competitive business environment, creative innovation is fundamental to engineering success. TRIZ (Theory of inventive problem solving) is a collection of systematic creativity and innovation methods that are a proven versatile tools increasing the creative problem solving and innovative power in order to to solve tricky technological challenges in developments. It is even regarded in the industry as a standard for innovation methodologies (see VDI 4521).

The approach is based on the idea that many basic technical tasks have already been solved and new innovative products can be developed on the basis of a systematic analysis of comparable problems.

Purpose and outcome of the training
The course teaches the most relevant theoretical fundamentals followed by hands on exercises facilitating the transfer into your practical knowledge. This will enable you to overcome thought barriers in innovation projects and technical problems in your own projects.

TRIZ can be used as an independent method, but also fits seamlessly into the Design for Six Sigma (DfSS) program. In the Identify/Design phase of DfSS DIDOV, TRIZ provides opportunities to generate ideas for elegant, cost-effective and low-risk solutions. In short; a creative and structured process to help you solve problems effectively and develop your next generation products. Participants learn how innovation goals can be made more predictable and how money and time can be saved right from the start of the innovation process.

Target group
The One Day TRIZ Seminar is aimed at engineers and scientists, technical managers focused on breakthrough innovation and problem solving as well as innovation managers interested in improving the quality of inventions and intellectual property.

Systematic Invention with TRIZ

Register at: www.holland-innovative.nl

Duration of the training and number of participants: 1 Day from 9.00 am to 17.00 pm; maximum 15 people.

Instructor: The instructor in this training is Achim Schmidt, Master Black Belt and Sr. Director Product- & Process development at Holland Innovative. He is certified by the international TRIZ organization MATRIZ on TRIZ Level 3. As a Six Sigma and DfSS Master Black Belt he has more than 10 years of experience as a trainer in teaching methods such as DfSS and TRIZ. For the last 15 years he worked in the automotive industry and before he gained experience in the semiconductor industry.

Location and costs: Holland Innovative, High Tech Campus 9, Eindhoven and other locations, see training calendar. The cost is €xxxx, - per participant (ex. BTW). Included is the two day workshop, extensive class material, lunch and drinks.

Dates, registration and more information: See www.holland-innovative.nl under Academy. You can also register here.

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Focus on complex business processes

Level
The training is suitable for professionals with academic or HBO level with technical or scientific background or the same level of knowledge gained through experience.

In-company
Holland Innovative offers the One Day Workshop TRIZ also as an in-company workshop. The workshop can be “tailored to needs” where necessary.

Program:

Introduction to the theory of inventive problem solving (TRIZ)
- Basic principles
- Application areas of TRIZ Methodology: from finding unique selling points to patent circumvention and technical problem solving

Selected TRIZ methods for the different phases of inventive problem solving
- Define and analyze development tasks and opportunities

Generate Technical Solutions
- Solving technical contradictions by using the 40 innovation principles
- Physical contradictions and the separation principles
- Effect databases
- Concept selection

Case Study
- Presentations will be interspersed with examples and practical exercises

Holland Innovative BV:
- For solutions in project management, product & process development and improvement, and reliability
- 30 professionals with an experience level of more than 20 years

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