Program - Congress Safety Engineering for students of Semester 6
Wednesday 25 March 2026 from 13:00 to 16:35 hrs

During semester 6, we want students to experience how continuous learning occurs in the business world. One of the learning opportunities is attending a congress. To provide this experience, we are organizing a conference on a topic that every engineer will encounter sooner or later: Safety. In the safety engineering conference, you will be introduced by a former student who works as a Specialist in the field of safety, including for the Labor Inspectorate, using concrete examples from the practice of safety engineering. After this introduction, you will attend two workshops of your choice on various topics, including Explosion Safety, Fire Prevention, Safety Components, and more. The workshops are conducted by leading experts from the industry.

Time schedule

13:00 – 13:05 hrs	Walk in (auditorium R31)
13:05 – 13:15 hrs	Welcome "Semester 6 Safety Conference" for all S6 students Jeroen van Elburg
13:15 – 13:50 hrs	Anne Driessens – Product Safety, why and how?
13.50 – 14:25 hrs	Jan Pieter Duhen – Fire Brigade Middle Gelderland) Energy on Fire: Safety Challenges in the Transition Era
14:25 – 14:30 hrs	Change to different locations
14:30 – 15:30 hrs	First round of workshops (choice of 6 workshops)
15:30 – 15:35 hrs	Break and change of locations
15:35 – 16:35 hrs	Second round of workshops (choice of 6 workshops)

Walk in

Time : 13:00 – 13:05 hrs
Location : R31 – Auditorium – 3rd floor

Introduction : **Welcome – Semester 6 Safety Engineering Congress**
Speaker : Jeroen van Elburg
Organization : HAN Academy Engineering and Automotive
Language : English
Time : 13:05 – 13:15 hrs
Location : R31 – Auditorium – 3rd floor

Keynote Introduction : **Product Safety, why and how?**
Keynote Speaker : Anne Driessens
Language : English
Time : 13.15 – 13:50 hrs
Location : R31 – Auditorium – 3rd floor

What does the CE-mark on products mean? What does it have to do with your future job as engineers? And who is likely to be held responsible when a work accident occurs? Discover the field of product safety and occupational safety, where your engineering can really make a difference in the lives of people!

Keynote Introduction : Energy on Fire: Safety Challenges in the Transition Era
Keynote Speaker : Jan Pieter Duhen
Director Innovation and Safe Energy transition
Organization : Fire Brigade Middle Gelderland
Stafbureau Brandweer en Crisisbeheersing
Language : English
Time : 13.50 – 14:25 hrs
Location : R31 – Auditorium – 3rd floor

The energy transition is reshaping our world—but what happens when innovation meets emergency response? In this keynote, we will explore the increasing challenges firefighters face due to new energy technologies such as solar panels, lithium-ion batteries, and hydrogen storage. With real-world examples and compelling demonstrations, this session sheds light on the hidden risks and the evolving role of first responders in a rapidly changing landscape.

Workshops

Workshop 1 : Cutting-Edge Risks: Live Demonstrations of Energy Hazards
Speaker : Jan Pieter Duhen
Director Innovation and Safe Energy transition
Company : Fire Brigade Middle Gelderland
Stafbureau Brandweer en Crisisbeheersing
Language : English
Time : 14:30 – 15:30 hrs or/and 15:35 – 16:35 hrs
Location : R29 H0.31 (Lab. Arnhem)
Experience firsthand the dangers of energy transition incidents in this interactive workshop. Through live experiments — including cutting through a 600VDC PV cable and simulating a lithium-ion battery failure — we'll reveal the electrical, thermal, and chemical risks faced by emergency responders. Join us for an eye-opening session that combines science with real-world firefighting tactics.

Workshop 2 : Explosion Dynamics, Hydrogen Safety and ATEX
Speakers : Arief Dahoe (123ATEX, KCEHS)
Erwin Huegen (123ATEX, KCEHS)
Marco van den Berg (Veiligheidsregio Rotterdam-Rijnmond, KCEHS)
Huib Fransen (Defensie, Veiligheidsregio Rotterdam-Rijnmond, KCEHS)
Jan van Strijen (DCMR, KCEHS)
Company : 123ATEX, Veiligheidsregio Rotterdam-Rijnmond, Defensie
: Dienst Centraal Milieubeheer Rijnmond (DCMR)
: Knowledge Center for Explosion and Hydrogen Safety (KCEHS)
Language : English
Time : 14.30 – 15.30 hrs
Explosion Dynamics, Hydrogen Safety and ATEX (Part I)
: 15:45 – 16:35 hrs
Explosion Dynamics, Hydrogen Safety and ATEX (Part II)
Location : R31 D4.05
This workshop addresses the growing safety concerns at industrial corporations, fire brigades and military establishments. Due to explosive substances and environments. With an emphasis on the deployment of hydrogen as an energy carrier driven by the energy transition. It covers relevant legislation, methods for risk reduction, and the application of explosion protection technology.

Workshop 3 : What mistakes can you make as a starting engineer?
Speaker : Paul Hoogerkamp
Company : MECID BV
Language : English
Time : 14:30 – 15:30 hrs or/and 15:35 – 16:35 hrs
Location : R31 – Auditorium – 3rd floor
Even simple designs must adhere to regulations for safety. This workshop explores how to avoid beginner errors with potentially significant consequences by demonstrating how product safety regulations can foster creativity and prevent mistakes within acceptable limits.

Workshop 4 **: Fenceless safety in robotics**
Speaker : Maarten Braadbaart
Company : SICK BV
Language : English
Time : 14:30 – 15:30 hrs or/and 15:35 – 16:35 hrs
Location : R31 D4.06
This workshop examines fenceless safety in robotics, focusing on EN ISO 13855 standard. It challenges the misconception that collaborative robots are inherently safe without fences and discusses the trend of fenceless installations with industrial robots. The workshop emphasizes the importance of safeguarding robots in human-coexisting environments.

Workshop 5 **: Productconformiteitstraject**
Speaker : Anne Driessens
Language : Dutch / Nederlands
Time : 14:30 – 15:30 hrs or/and 15:35 – 16:35 hrs
Location : R31 D4.07
In deze workshop wordt een inkijkje gegeven in wat je precies moet doen als je een product op de markt wil zetten. Welke richtlijnen zijn van toepassing? Hoe gebruik je normen? Hoe moet je nadenken over risico's? Wat leg je allemaal vast? En wat geef je aan je klant? En wat kan er gebeuren als je het niet goed doet? Kortom, je krijgt in een uur een basis van het "productconformiteitstraject".

Workshop 6 **: Human and machine safety are not a good combination, but there are solutions**
Speaker : Vladimir Dragosavic
Company : EUCHNER
Language : English
Time : 14:30 – 15:30 hrs or/and 15:35 – 16:35 hrs
Location : R31 D4.08
A humorous yet challenging look at machine safety, where humans play a central role. Devising and implementing effective, functional technical solutions is no guarantee of injury-free operation. User safety must be guaranteed for twenty years, the standard lifespan of a machine, quite a challenge! Only when human actions are taken into account, can perfect technical solutions be achieved. This presentation (training) will hold you up to a mirror. There's plenty to laugh at and much to learn.

Beschikbarelokalen
R31 – B 4.09 + D 4.05 + D 4.06 + D 4.07 + D 4.08 van 14.30u tot 17.00u