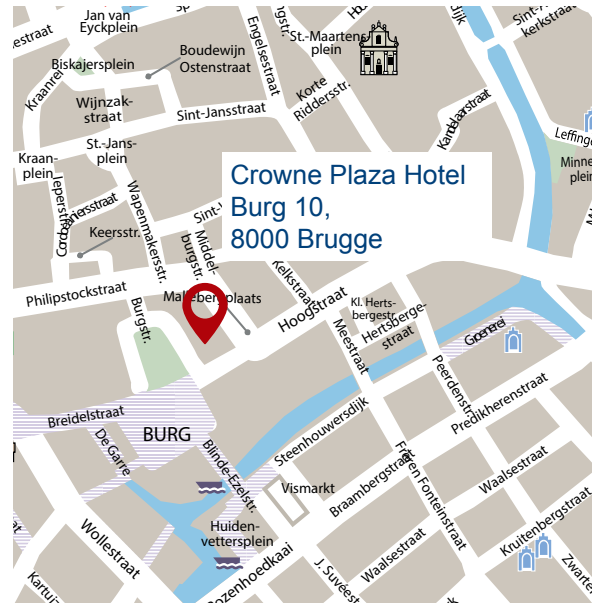




## Venue

The course takes place at the Crowne Plaza Hotel, located in Bruges, Belgium. More information on the hotel can be found at: <https://www.ihg.com/crowneplaza/>



The Introduction to System Safety course is a five-day primer in system safety engineering. The course contains a mixture of lectures, discussions and small group exercises, supported by international examples. Whilst the course touches on broader issues in theorizing risk and managing safety within organisations, its main focus is to equip safety practitioners with the practical understanding necessary to engage with safety activities.

This course targets anyone, both novices and experts, involved in the development, testing and maintenance of a safety-related system:

- R & D engineers;
- Validation and Verification engineers;
- Maintenance engineers;
- R & D managers and Project leads;
- Quality engineers, etc.

## Contact

Prof. Jeroen Boydens  
[Jeroen.boydens@kuleuven.be](mailto:Jeroen.boydens@kuleuven.be)

Prof. Davy Pissoort  
[Davy.pissoort@kuleuven.be](mailto:Davy.pissoort@kuleuven.be)

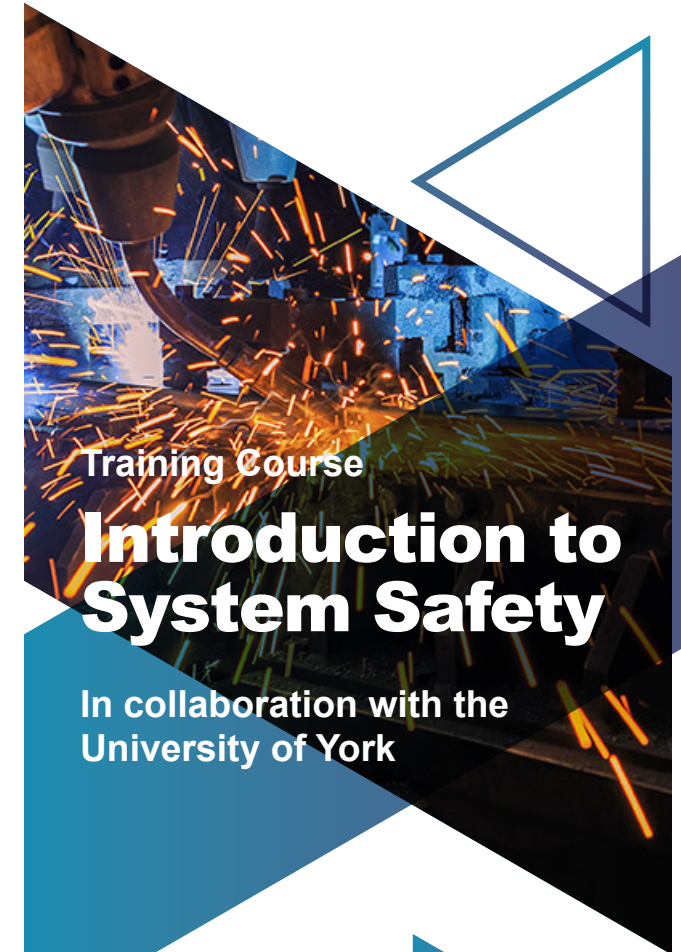


UNIVERSITY  
*of York*

**KU LEUVEN**



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centrum



Training Course

# Introduction to System Safety

In collaboration with the  
University of York

March 16-20  
**2020**

KU Leuven Bruges Campus  
Mechatronics Group (M-Group)  
Spoorwegstraat 12, 8200 Bruges (BE)

# Registrations

To register for this course, please visit the Event's information page and follow the register link to the registration form. The main page can be found following this link:

<https://iiv.kuleuven.be/brugge/m-group/Events/ssc2020>

The number of participants is limited to 28.

# Pricing

The participation price for this course is € 4000.

This price also includes coffee breaks and lunch for each day of the course, as well as course dinner on Thursday.

Non-cumulative discounts are granted to:

- Two or more members from the same company [15% discount]
- Members of the User Group for the RESSIAR/ TransSIMS and E(E)WISE projects [10% discount].
- Participants from the SAS and Peter MSCA ITN projects [10% discount].

This course is eligible for a KMO Portefeuille, provided by VLAIO. More information on the KMO Portefeuille can be found at (in Dutch):

<http://www.kmo-portefeuille.be>

# Programme

The course is organized in collaboration with the University of York and is based on material of their MSc of Science in Safety Critical Systems Engineering program. The course is structured according to the engineering lifecycle of a service or physical system, and covers:

1. Concepts and terminology for safety;
2. Overview of the engineering lifecycle from a safety perspective, including the role and intent of key safety activities;
3. Hazard identification and setting of safety requirements;
4. Techniques for safety analysis to support design, including:
  - Failure Modes and Effects Analysis (FMEA);
  - Functional Failure Analysis (FFA);
  - Hazard and Operability Studies (HAZOP);
  - Fault Tree Analysis (FTA).
- Safety cases, including notations for recording arguments and evidence;
- Specific issues in safety analysis, including, Human Factors, Software and Data Safety.

# Organizers



## Prof. Davy Pissoort

Prof. Pissoort is the head of the FMEC division (focusing on Electrical and Electronic Systems) of the Mechatronics Group at the Dept. of Electrical Engineering of KU Leuven. His current research focuses on electromagnetic compatibility, hardware dependability and functional safety.



## Prof. Jeroen Boydens

Prof. Boydens is the head of the Software Coding division of the Mechatronics Group at the Dept. of Computer Science of the University of KU Leuven. His current research focuses on Software-implemented Reliability in a context of Functional Safety.

# Presenters



## Dr Siyuan Ji

Dr Ji is a Lecturer in the Department of Computer Science at the University of York. His research interests include systems-engineering methodologies, model-based system safety and reliability assessments, product line engineering and constraint-driven design algorithms.



## Dr Mark Nicholson

Dr Nicholson has over 20 years of experience in developing and delivering industrially relevant teaching, both on award-bearing (PGCERT, PGDIP, MSc) programmes and non-credit bearing Continuing Professional Development courses for staff involved in System Safety.