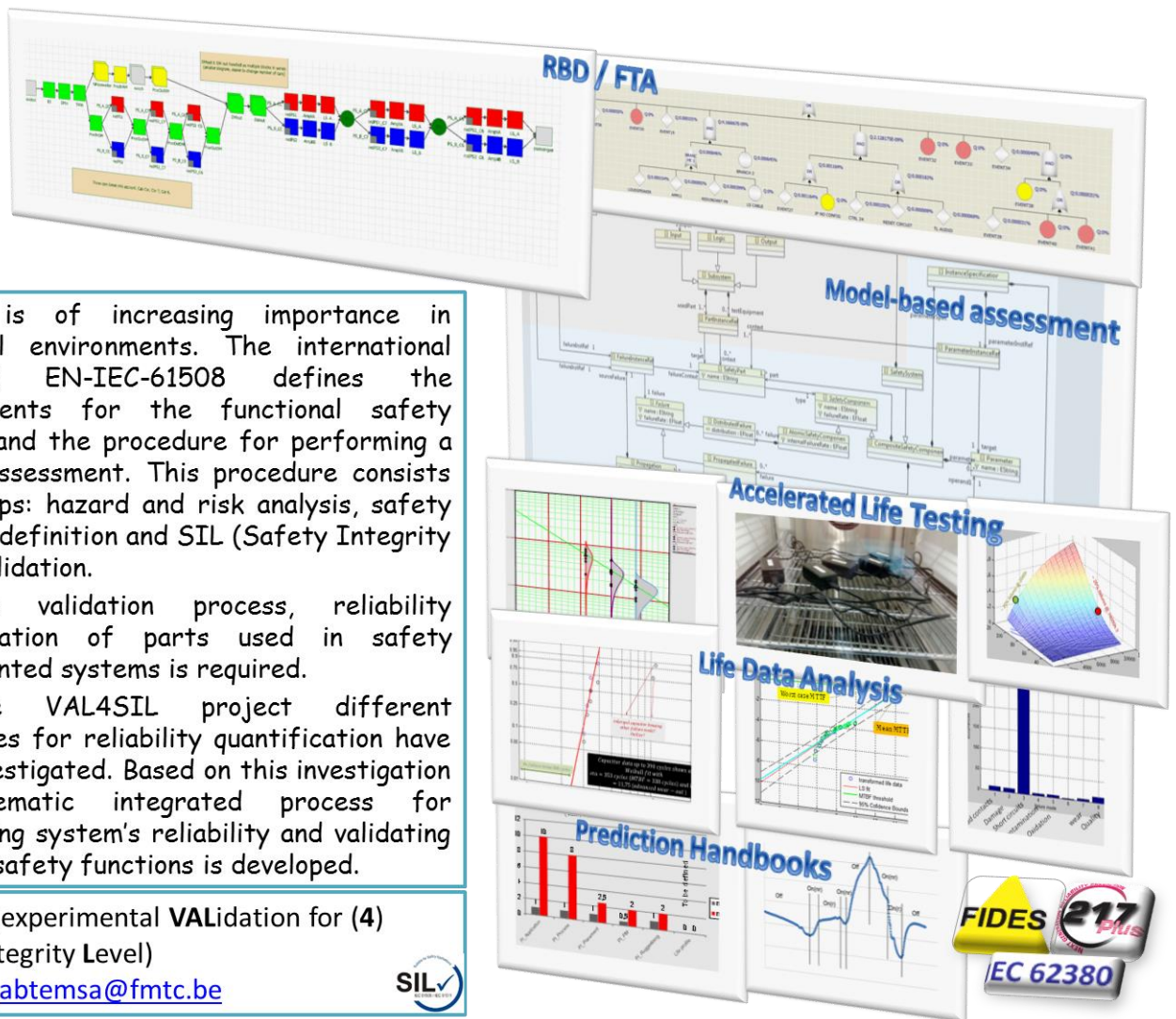


Public Workshop: Functional safety validation - Challenges and innovative solutions

Lessons learned from the FMTC project experimental validation for safety integrity level (VAL4SIL)
14th May 2014 at [FMTC, Leuven](http://www.fmtc.be)



Safety is of increasing importance in industrial environments. The international standard EN-IEC-61508 defines the requirements for the functional safety circuits and the procedure for performing a safety assessment. This procedure consists of 3 steps: hazard and risk analysis, safety function definition and SIL (Safety Integrity Level) validation.

In the validation process, reliability quantification of parts used in safety instrumented systems is required.

In the VAL4SIL project different techniques for reliability quantification have been investigated. Based on this investigation a systematic integrated process for quantifying system's reliability and validating SIL for safety functions is developed.

VAL4SIL (experimental **VAL**idation for **(4)** Safety Integrity Level)
Contact: abtemsa@fmtc.be

Date & Place: Wednesday 14th May 2014 @ [FMTC, Leuven](#), Meeting room: De Grootte 00.205

Time: 13:00 p.m. – 17:30 p.m.

Language: English

Target audience: reliability engineers, (functional) safety engineers, design engineers, test & validation engineers, maintenance engineers, technical directors, asset managers, researchers in / interested to the field of reliability / (functional) safety analysis & assessment

Agenda

13:00	Welcome & Introduction, Wim Symens, Technical director at FMTC
13:10	A systematic integrated methodology to increase safety and reliability of mechatronic systems, Bey-Temsamani Abdel, Project manager at FMTC
13:30	Invited speaker: Model-based functional safety concept for an EV (Electric Vehicle) use case, Bert Dexters, Account Manager at Flanders' DRIVE
14:00	Enhanced functional reliability prediction, Kristof Boerjan, Team leader at Televic Rail
14:30	Coffee pause
15:00	Invited speaker: Feedback on FIDES (reliability prediction) method application in French military programs, Denis Tourtelier, Expert on electronics reliability, Attached to the French Ministry of Defense
15:45	Accelerated life testing and reliability, Vital Driesen, Business development manager at Jabil Circuit Belgium
16:15	Towards a model-based functional safety verification and validation, Bjorn Aelvoet, Project leader embedded systems and functional safety at Spicer off-highway product group
16:45	Concluding session & Network drink

Participation is free of charge but registration is mandatory by sending an email to val4sil@fmtc.be