



D-STANDART FINAL DISSEMINATION EVENT

 **17 December 2025**

9:00 AM - 5:30 PM



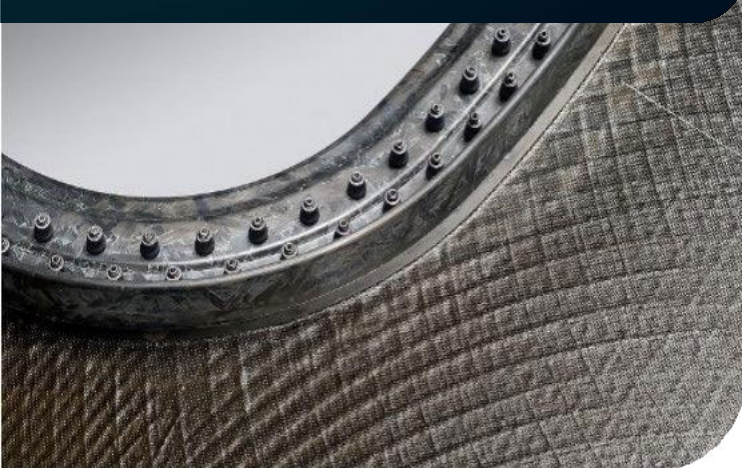
Netherlands Aerospace Centre (NLR)

Auditorium A,

1059 CM, Anthony Fokkerweg 2, Amsterdam



This final dissemination event will highlight the project's key achievements and innovations, fostering discussions on future opportunities. It will gather all stakeholders and partners to share insights and strengthen networks.



REMINDER OF D-STANDART PROJECT AIMS

Develop **rapid methods to characterise fatigue damage in composites** and **sustainability of composite supply chains** and thereby model the durability and sustainability of large-scale composite structures with arbitrary layouts **under realistic conditions** (loads, environment, manufacturing imperfections).

- Through **minimal and accelerated testing** of generic specimens thereby reducing reliance on feature-based tests.
- Applying **artificial intelligence and machine learning** to develop methods for analysis of large-scale structures using the results of the experiments and meso-scale models.
- Integrating Life-Cycle Assessment (LCA) in the design process

The D-STANDART consortium is pleased to invite you to the **Final Dissemination Event** and present its contributions not only to **composite structural design and integration of life-cycle thinking in design processes** but also to **standardization and training**.

OBJECTIVES

During this Final Dissemination Event you will:

- Discover the **project's key result** and major achievements in the field of durability of fiber-reinforced composites.
- Explore **cutting-edge techniques** in fatigue characterization, AI-driven modeling, and advanced testing methods.
- Experience a **live demonstration of high-frequency loading techniques** used to evaluate fatigue behaviour in composite materials
- Understand how findings on manufacturing, sustainability, and digital integration can **transform industrial practices** and inspire new applications



MEET OUR TOP-CLASS RESEARCH EXPERTS



DISCOVER OUR POSTER WALL

Don't miss out !

Look out the updates on the event on our website and LinkedIn:

 www.d-standart.eu

 [@d-standart](https://www.linkedin.com/company/d-standart)

 **An EMMC related initiative**

ANY QUESTIONS?

Feel free to get in touch with us at:

contact@d-standart.eu

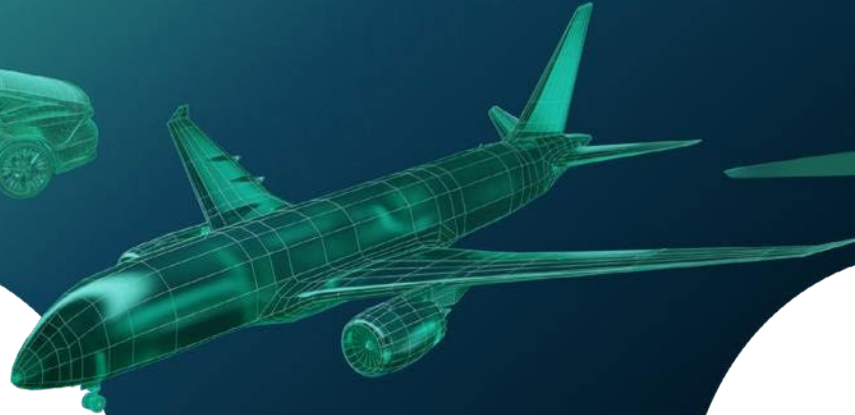
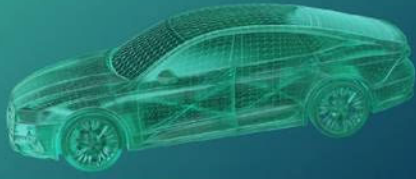
The event is public and without registration fees.
However, registration is mandatory.



To sign up, please use the following form:

SIGN UP





PRELIMINARY PROGRAMME

Start time	Session (Presentations / Demonstrations)	Organizer
8:30	Registration and welcome coffee	
9:00	Welcome, agenda of the day, organizational aspects	Marco Nawijn, NLR Peggy Favier, LUP
9:15	Brief project presentation	Marco Nawijn, NLR
9:50	Overview of main achievements - Part 1: Material characterisation testing AI-surrogate model	John-Alan Pascoe, TUD Dario Di Maio, UT
10:45	Coffee break / Meet our researchers at the poster wall	
11:15	Overview of main achievements - Part 2: Effect of Manufacturing defect Life cycle case study Digital Thread	Giuliano Allegri, UB Stuart Sykes, NCC Julian De Marchi, NLR
12:40	Finger lunch	
13:45	Composites material modelling with Digimat and Marc: fatigue life and failure	Melle Gruppelaar, HMI Fabio Malgioglio, HMI
14:45	Specimen Test Suite - Digital Thread for Composites Fatigue Testing	Julian De Marchi, NLR
15:45	Coffee break / Meet our researchers at the poster wall	
16:15	High-Frequency testing for fatigue behaviour and XCTE spin-off : a D-STANDART success story	Friso Oude Tanke, UT
17:15	Words from Coordinator/ closure	Marco Nawijn, NLR Peggy Favier, LUP
17:30	Farewell drink with all participants / Meet our researchers at the poster wall	

PREREQUISITES AND ORGANIZATION ASPECTS:

Participants are responsible of recovering their own visitor badge at NLR entrance (biodata are asked at registration). Hybrid participation is facilitated by Webex and SLIDO, to maximise interactions with participants.



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