





## D-STANDART PANEL DISCUSSIONS


 **5 March 2025**

 **Paris Nord Villepinte Exhibition Centre**  
– ROOM 612, Hall 6  
ZAC Paris Nord 2,  
93420 VILLEPINTE, France

 **JEC WORLD 2025**

**JEC WORLD**  
**2025** The Leading International Composites Show

March 4-6  PARIS-NORD VILLEPINTE

 Two dynamic panel discussions are being organised, to address the barriers to industrial adoption of composites including structural design, maintenance, and end of life. **Have your say and join the discussion!**

### THE D-STANDART PROJECT AIMS TO

Develop **rapid and robust 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.

To support this ambition, the D-STANDART consortium is offering **two dynamic panel discussions to engage stakeholders on two central topics for the supply chain:** **1/** Explore current existing limitations in the design and fatigue analysis of composite components, and how addressing these can lead to greater utilisation of composite material across fatigue-critical components. **2/** industrial feedback on LCA practices and design digitalisation

### WORKSHOPS' OBJECTIVES

These two consecutive workshops will be organised in the form of **dynamic panel discussions:**

- › **Session 1: Enabling Composite Adoption on Fatigue-Critical Components: Existing Limitations and Potential Solutions** To understand existing simulation methods for fatigue modelling of composite materials. To explore **accelerated testing protocols** currently being used in industry. To understand **methodology gaps on fatigue simulation and testing in industry** and assessing how addressing these gaps may increase composite utilisation. To explore **impact on supply chains of enhancing composite utilisation on fatigue-critical components**. To explore **alternative composite materials** for fatigue resistance – e.g. Ceramic Matrix Composites (CMCs) or Metal Matrix Composites (MMC).
- › **Session 2: Have Your Say: Open Panel Discussion on Design, Efficiency, & Sustainability in the Digital World** Learn about the role of simulation in **augmenting test data**. Build trust in **machine learning methods**. Provide Industrial **feedback on LCA** (benefits/challenges). Explore opportunities for **Design digitalization** (perceived benefits relative to effort).

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

 [www.d-standart.eu](http://www.d-standart.eu)

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

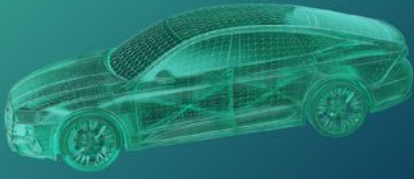
 **An EMMC related initiative**

The event is public and without any other registration fees than the possible ones for your badge to JEC 2025. **However, registration is mandatory.**

 **To sign up, please use the following form:**

**SIGN UP**





## WORKSHOP PROGRAMME

#	Start time	End time	Session Organizer	Moderator
1	14:00	15:20	<b>Enabling Composite Adoption on Fatigue-Critical Components: Existing Limitations and Potential Solutions</b>	T. Messogitis, ICOMAT
2	15:30	16:50	<b>Have Your Say: Open Panel Discussion on Design, Efficiency, &amp; Sustainability in the Digital World</b>	J. Taylor, K. Kostova, NCC
-	16:50	17:00	<b>Workshop closure – words from the Coordinator</b>	M. Nawijn, NLR

### TOP-CLASS INDUSTRY AND RESEARCH EXPERTS WILL MODERATE THE SESSIONS



**T. Mesogitis** – Senior Innovation Engineer at ICOMAT



**J. Taylor** Senior Chief Engineer – Net Zero, and **K. Kostova** Engineering Capability Lead at National Composites Centre

### PRELIMINARY PANELS' COMPOSITION

**Subject matters experts** from major industrial and research organization already confirmed their participation.

Blending on the expertise of these selected speakers, the group aims at benefiting from vibrant input from the audience.

Register to the sessions you are interested in to **have your say!**

### ANY QUESTIONS?

Feel free to get in touch with us at:

 [contact@d-standart.eu](mailto:contact@d-standart.eu)



UNIVERSITY OF TWENTE.



Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union. Neither the European Union nor the granting authority can be held responsible for them.

[www.d-standart.eu](http://www.d-standart.eu)

Images copyrights D-STANDART consortium