

VBE2025

2ND INTERNATIONAL CONFERENCE
ON **VEHICLE BODY ENGINEERING**
6-7 NOVEMBER, 2025
PORTO, PORTUGAL



Contents

- Conference rooms
- Breaks
- Reception and Dinner
- Presentations
- Themes
- Plenaries
- Publications
- Awards
- VBE 2027

Conference room: B032

<https://us06web.zoom.us/j/88356405926>

vbe25_veh



Breaks

Coffee breaks (Coffee Lounge)

Morning: 10:40 – 11:00

Afternoon: 16:00 – 16:20

Lunch (Coffee Lounge)

13:00 – 14:00

Reception and Dinner

Thursday 6

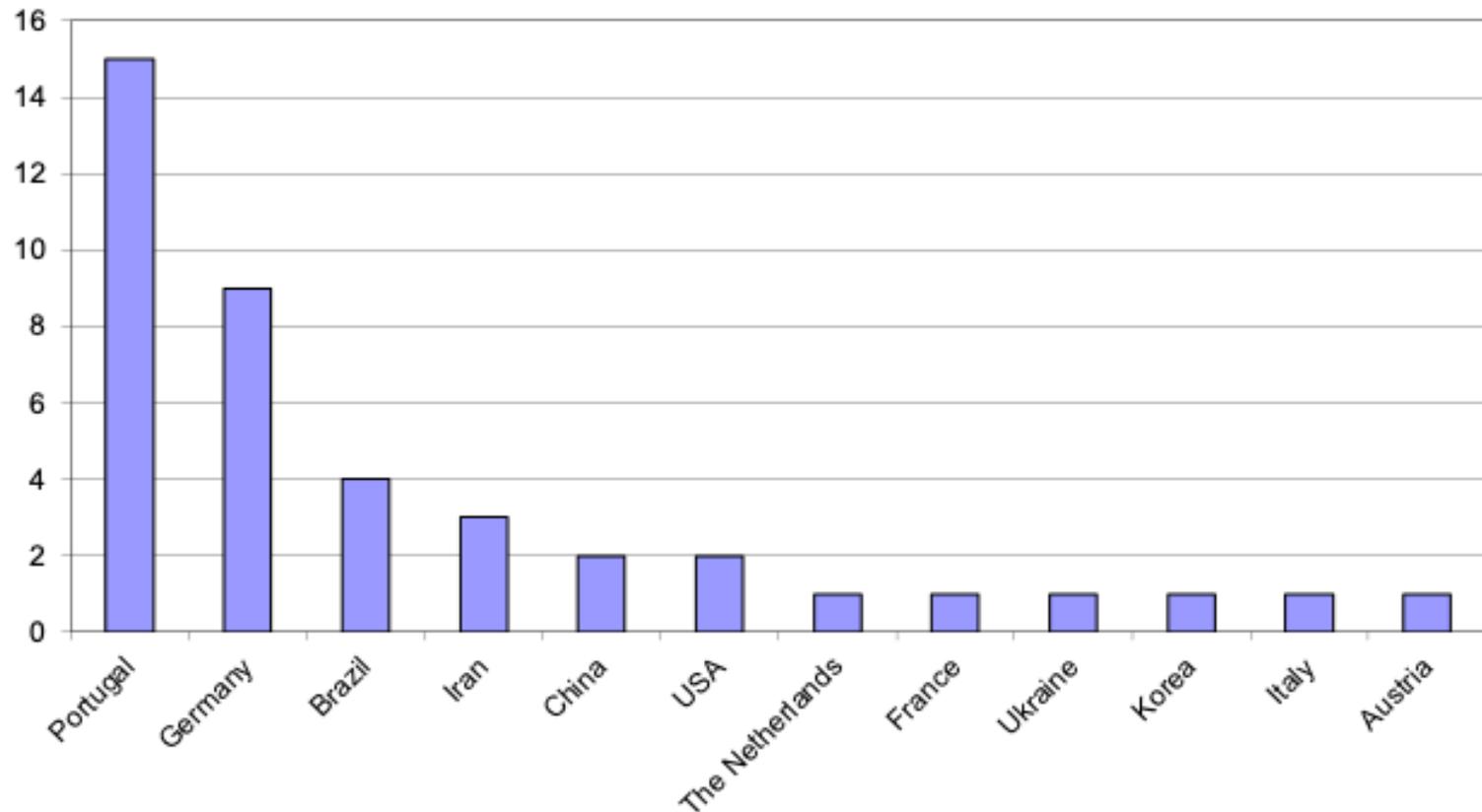
Coffee Lounge at 19:00

Friday 7

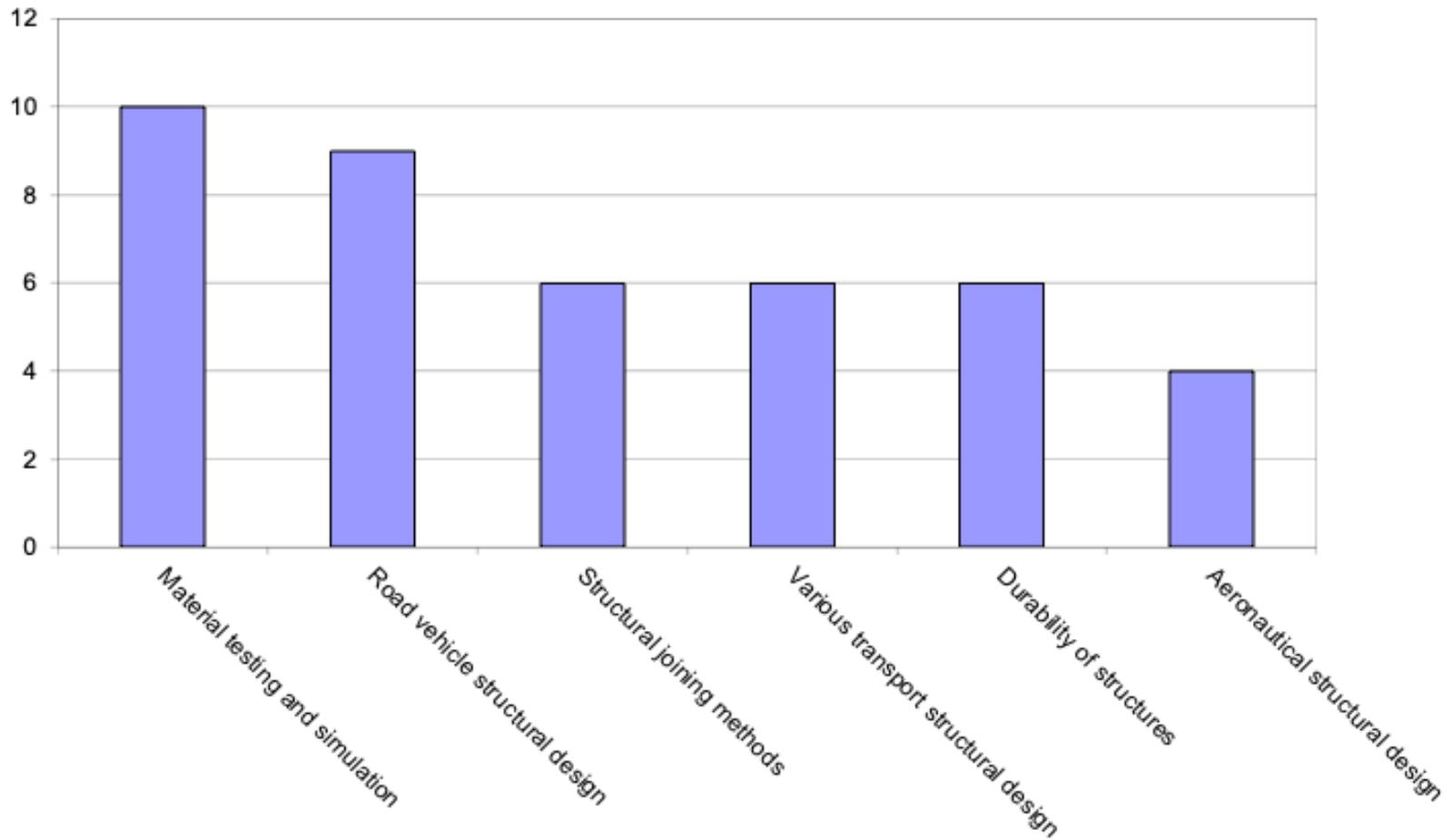
Restaurant Vincci Porta de Ferro at 20:00 (bus
from FEUP at 19:00)

Presentations

- Orals: 41
- 12 countries represented



Themes



Plenaries

Thursday 6 November 2025

9:00

Opportunities and challenges in using high strength steel for structural applications in the off-highway machinery

Dr Rakesh Goyal (John Deere, USA)



Dr Rakesh Goyal is a Staff Engineer at the John Deere Enterprise Technology & Engineering Center, India for 19+ years. He obtained his PhD in fatigue and fracture mechanics from the University of Waterloo (Canada). His research focus includes the topics related to Engineering Mechanics, Fatigue and Fracture Mechanics based method development for engineering materials and joining technologies, computational weld mechanics for distortion and residual stress.

Plenaries

Thursday 6 November 2025

14:00

Innovative lightweight composite car body shell for a metro train

S Guenther (CG Rail, Germany)



After the founding of CG Rail GmbH, Germany Sebastian Guenther is involved from the very beginning in the development of railway components made by composites. Since more than 10 years he is researching and engineering multiphysical structures for rail vehicles and certified as an International Welding Engineer and European Adhesive Engineer. Due to his experience, he is initiating and leading projects in the field of joining technologies and structural mechanics and commit oneself in standardization for new materials in rail vehicles.

Plenaries

Friday 7 November 2025

9:00

Failure on aeronautical composite structures: Challenges and future perspectives

Prof Volnei Tita (University of São Paulo, Brazil)



He is professor at the University of São Paulo since 2006, where he founded and consolidated the Aeronautical Structures Group at the University of Sao Paulo. He has published approximately 400 scientific articles in journals and conference proceedings. He is Associate Editor of the journal *Frontiers in Aerospace Engineering* (Frontiers) and of the journal *Composite Structures* (Elsevier). In 2021, he received the title of Affiliated Professor from the University of Porto (Portugal). He develops projects and research collaborations with the US Air Force and the US Army.

Plenaries

Friday 7 November 2025

14:00

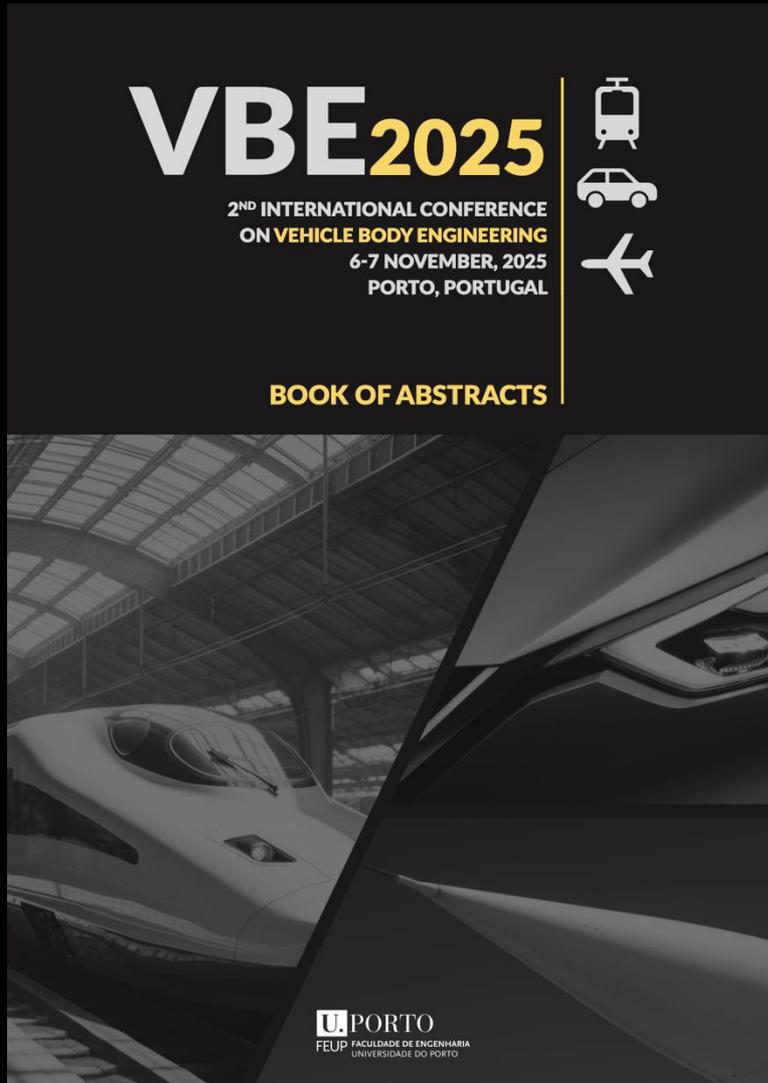
Composites in naval shipbuilding

Dr Cedric Verhaeghe (Damen Naval, The Netherlands)



Cedric Verhaeghe, Technical Specialist Composite Structures at Damen Naval since November 2015. In my 10 years at Damen Naval I have been active in the research, development, and application of composite structures for naval applications. Some notable projects include the Qualify project, where we developed and validated a robust steel-to composite joint and the RAMSESS project, where we scaled up the size of composite applications. In addition to the European projects, I have been active in further developing composite structures to withstand naval loads such as blast and shock and created a risk based design approach for fire safety to reach SOLAS equivalency to steel.

Publications (Book of abstracts)



[www.engeduconferences.com/
VBE2025/](http://www.engeduconferences.com/VBE2025/)

vbe2025_FEUP

Publications (full papers)



Full paper submission until 6 November 2025 to
lucas@fe.up.pt

Publications (full papers)

Proceedings in Engineering Mechanics
Research, Technology and Education

Lucas F. M. da Silva
António Torres Marques *Editors*

2nd International Conference on Durability, Repair and Maintenance of Structures

Selected Contributions of DRMS 2025

 Springer

Full paper submission until
6 November 2025 to
lucas@fe.up.pt

Awards (Best oral and poster)

Certificate and a **free registration** for the 3rd
International Vehicle Body Engineering 2027
(**VBE 2027**).

Next conferences



VBE2027

3RD INTERNATIONAL CONFERENCE
ON VEHICLE BODY ENGINEERING
4-5 NOVEMBER, 2027
PORTO, PORTUGAL

Icons: Bus, Car, Airplane

Images: Vehicle chassis, Aircraft fuselage

The banner features the text 'VBE2027' in large white and green letters. Below it, the conference details are listed in white and green. To the right of the text are three white icons: a bus, a car, and an airplane. Further right are two images: a close-up of a vehicle chassis and a long view of an aircraft fuselage.

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