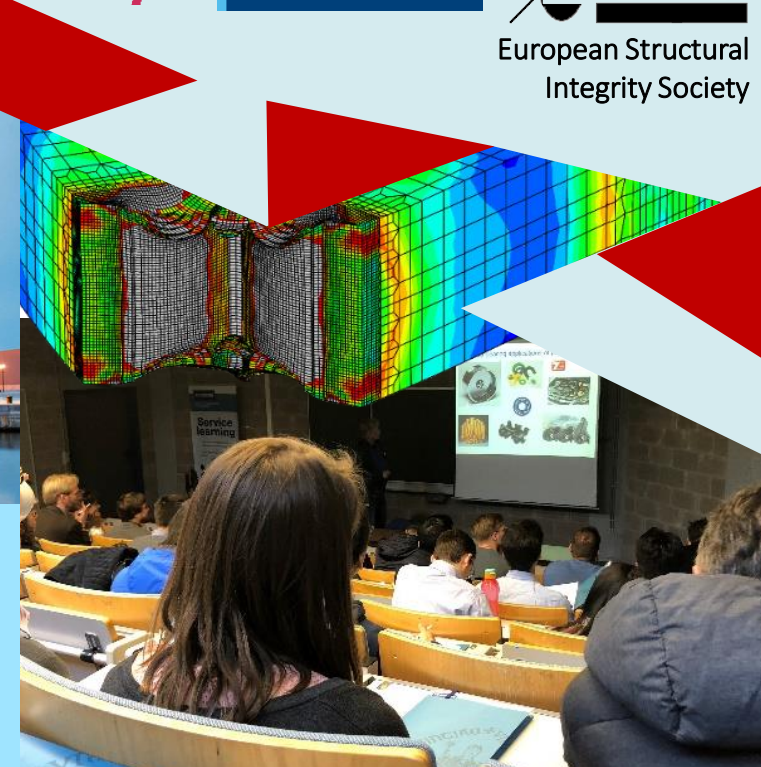




3rd Benelux Network Meeting & Workshop on Damage & Fracture Mechanics BDFM-2023

May 25th - 2023 - Antwerp, Belgium

Scope

With the 3rd BDFM Network Meeting and Workshop (BDFM) the organisers continue to provide a solid platform for researchers in Belgium, the Netherlands, and Luxembourg working on damage and fracture mechanics.

The main purpose of the event is to encourage new cooperation and friendship between delegates and cherish existing partnerships. It provides an opportunity for anyone working in the field of fracture mechanics to transfer knowledge, acquire new insights, initiate new research co-operation and joint proposal writing.

Motivation

Since 2019 this event has been introduced to establish a research community in the field of damage and fracture mechanics for scientists from various universities and institutes across the Benelux region.

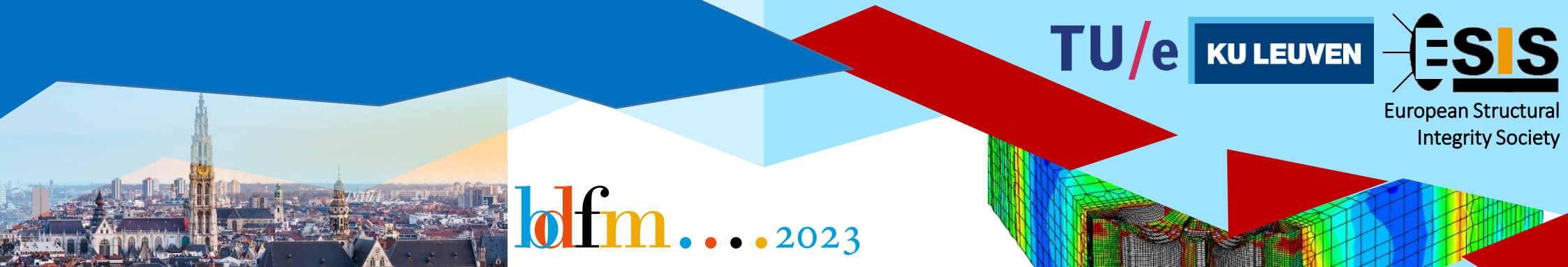
This year's network meeting and workshop is set to continue promoting the community to transfer state-of-the-art findings and develop new research collaborations.

This single-day event is dedicated to gathering leading scientists in field of damage and fracture mechanics in Benelux, to host idea-focused presentations on a wide range of subjects that easily inspire, and to provide networking opportunities for PhD students, postdocs as well as their supervisors.

So let's all join the BDFM meeting and continue expanding our Benelux network!



bdfm



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ESIS
European Structural
Integrity Society**bdfm**...2023

Morning Programme

9:30-10:00 **Registration**

10:00-10:15 **Welcome and opening ceremony**

Reza Talemi, KU Leuven (BE)

Prof. Johan Hoefnagels, TU Eindhoven (NL)

10:15-10:45

Prof. Marc Geers, TU Eindhoven (NL)

"Numerical-experimental analysis of plasticity and damage in dual-phase steels"

10:45-11:15

Prof. Anne Marie Habraken, U Liege (BE)

"Fatigue crack prediction in bi-phasic material"

11:15-11:45 **Coffee break**

11:45-12:15

Prof. Wim Van Paepegem, U Gent (BE)

"Fatigue of glass/thermoplastic composites"

12:15-12:45

Prof. René Alderliesten, TU Delft (NL)

"Do we obey physics in how we use fracture mechanics in our fatigue description?"

12:45-14:00 **Poster session, lunch & networking**

Afternoon Programme

14:00-14:30

Prof. Brecht Van Hooreweder, KU Leuven (BE)

"Fatigue behaviour of metal lattice structures produced by laser powder bed fusion"

14:30-15:00

Prof. Aude Simar, UC Louvain (BE)

"Healing damage in aluminium alloys"

15:00-15:30

Prof. Semih Perdahcioglu, U Twente (NL)

"On the damage and fracture mechanisms in dual phase steels"

15:30-16:30 **Poster session, coffee break & networking**

16:30-17:00 **Closing ceremony and best poster award**

Further information about the program, the poster session and the event is provided on www.bdfm.eu or via info@bdfm.eu

Registration through website: www.bdfm.eu

Registration deadline: April 1st, 2023

Venue and registration

- This event will take place at **KU Leuven Campus Carolus, Antwerp, Belgium**, which is easily accessible via car or public transport from many places in the Benelux region.
- **Minimal registration fee of €30** to cover lunch and drinks.
- The BDFM event is supported by the **European Structural Integrity Society (ESIS)**, a long-standing research society in the field of structural and fracture mechanics of solids.
- Attendance to the BDFM meeting includes a **free ESIS membership**, which gives you €50 discount of the European Conference on Fracture.

www.bdfm.eu