

# Physics-Informed Neural Networks for Material Modeling

**Damien Bonnet-Eymard**

Supervisors:

Prof. dr. ir. D. Moens

Prof. dr. M. G. R. Faes  
(TU Dortmund)

Dissertation presented in partial  
fulfillment of the requirements for the  
degree of Doctor of Engineering  
Technology (PhD)

March 2026