



SEMINAR

APPLIED MATHEMATICS AND MECHANICS

FS976

18 August 2022

A DCAMM seminar No. 758 will be presented by

Prof. Dr.-Ing. Jana Schloesser
Fachhochschule Kiel, University of Applied Sciences,
Kiel, Germany

The title of the lecture is

Functionally graded materials by Laser Metal Deposition (Additive Manufacturing)

Abstract:

Functionally graded materials have multiple applications especially under high thermomechanical loading. Furthermore, it is desirable to combine the advantages of gradient materials and additive manufacturing.

In this talk opportunities and challenges of functionally graded materials by additive manufacturing will be highlighted from a materials' perspective. A brief introduction of additive manufacturing by Laser metal deposition will be given and possibilities at University of Applied Science Kiel (UAS Kiel) will be presented. Results from current research projects concerning parameter development for gradient materials will be shown and an outlook on future activities will be given.

DATE: **Monday, 29 August 2022**

TIME: **13:00 – 13:45**

PLACE: **Ellehammer (Ø28-600-3), Moseskovvej 72**
SDU, University of Southern Denmark

REGISTRATION for virtual participation at the following link:

<https://syddanskuni.zoom.us/meeting/register/u5UocuCrrDMpGtAATiHTQEVwLRh1UnDwW5um>

Cake, coffee and tea will be served 15 minutes before the seminar starts.

All interested persons are invited.

Niels Leergaard Pedersen

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