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VENUE

Designhotel + CongressCentrum
Wienecke XI. Hannover

REGISTRATION

Your registration is all-inclusive.
Accommodations, meals and
attendance at the conference
are all included in the cost of your
registration.

Deadline poster submission:
March 31, 2025

FURTHER INFORMATION

<https://udue.de/matframeconf2025>



May 12-15, 2025

CONFERENCE

**NEW FRONTIERS IN
MATERIALS DESIGN
FOR
LASER ADDITIVE
MANUFACTURING**

PLENARY SPEAKERS

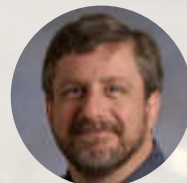
We are happy to announce our International Conference on "New Frontiers in Materials Design for Laser Additive Manufacturing". Inspired by Gordon Research Conferences the conference location is chosen to encourage an informal community atmosphere. Accordingly, we will have no parallel sessions and in addition to focused scientific lectures and posters there will be plenty of time for discussion.

The conference aims to bring together researchers from both relevant fields, i.e., researchers working on laser additive manufacturing (LAM) and material scientists working on metal or polymer powders. High-ranking speakers will present and discuss current developments on new materials for LAM.



Source:
RMIT

Dr. Yunhui Chen, RMIT
New Frontiers in Materials
Design for Laser Additive
Manufacturing



Source:
University of Tennessee

**Prof. Mark Dadmun,
University Tennessee**
Tailor Made Polymeric
Feedstocks for Powder Bed
Fusion Using Polymer
Science Principles



Source:
KIT

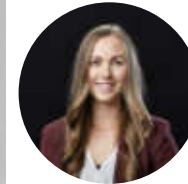
**Prof. Martin Heilmaier,
Karlsruhe Institute of
Technology**
Mechanical Properties of
Additively Manufactured
High Temperature
Structural Materials



Source:
University of Notre Dame

**Prof. Edward Kinzel,
University Notre Dame**
In-situ Characterization of
LPBF Using SWIR Imaging
and OES

PLENARY SPEAKERS



Source:
Lawrence Livermore
National Laboratory

**Caitlyn Christian
Krikorian, Lawrence
Livermore National
Laboratory**

Dynamically responsive
shape morphing of printed
liquid crystal elastomers



Source:
University of Bremen,
© Jan Rathke

**Prof. Lutz Mädler,
University Bremen**

Droplets and particles are
key ingredients in any cake



Source:
IMDEA Materials Institute

**Dr. Maria Teresa Perez,
IMDEA Materials
Institute, Madrid**

Laser additive
manufacturing of soft
magnetic Fe-based
metallic glasses

and more