
WELCOME AND INTRODUCTION

Dipl.-Ing. Frank Beckmann, Deputy Head of Institute



Additive Alliance in Hamburg, 28.10.2021

Professorship for Industrialization of Smart Materials



**New Head of Institute
from
01.04.2022**

TUHH
Technische Universität Hamburg

 **Fraunhofer**

The Hamburg University of Technology (TUHH) is a modern and dynamic university, striving for international excellence in research and teaching. It sets ideal conditions for unlocking the knowledge and innovation potential of today's technological challenges by combining its engineering expertise in the three focal areas Green Technologies, Life Science Technologies and Aviation and Maritime Systems with cross-cutting research on digitization, engineering methods and new materials.

The Fraunhofer Institute for Additive Manufacturing Technologies IAPT, with its approx. 75 employees, is one of the leading institutions in the field of additive production with a research focus on design, process, factory and digitization. The focus is on the industrialization of additive technologies and the associated technology transfer.

The TUHH and the Fraunhofer IAPT have been collaborating since 2018. To strengthen their cooperation in the field of additive production technologies the TUHH and the Fraunhofer-Gesellschaft jointly seek applications for a

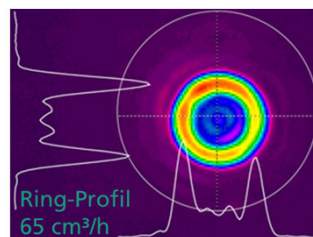
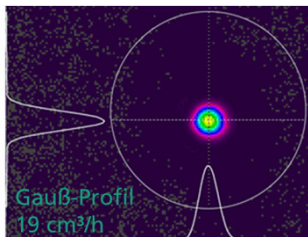
PROFESSORSHIP (W3) IN THE DOMAIN OF INDUSTRIALIZATION OF SMART MATERIALS

in association with the position of

DIRECTOR AT THE FRAUNHOFER INSTITUTE FOR ADDITIVE MANUFACTURING TECHNOLOGIES IAPT

The position is situated in the context of materials and process development and their industrial introduction. The TUHH and the Fraunhofer-Gesellschaft are looking for a candidate who is specialized in the development and communication of the basics, methods and processes of industrialization of smart materials at the interface to additive production and additive manufacturing processes. We are particularly interested in applications from candidates with a background in the following research areas:

Installation of new equipment @ Fraunhofer IAPT



Installation of new equipment @ Fraunhofer IAPT



BigDataLMD

Development of a Mindsphere based application to stabilize the quality in the LMD process



Project overview

Problem



How do we get identical part quality from very print job?



Solution



Process data

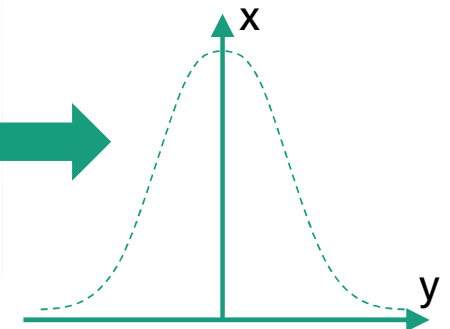


System data



Environmental data

Sensor-based, quality tool for LMD process



New trainings at ADDITIVE ACADEMY

Hands On Training - Binderjetting



Metal Additive Manufacturing Professional – Design



CERTIFIED

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Meet us at booth E11 in hall 11.0

Thank you for your attention!

