



Přírodovědecká
fakulta
Faculty
of Science

Jihočeská univerzita
v Českých Budějovicích
University of South Bohemia
in České Budějovice



FACULTY
OF MECHANICAL
ENGINEERING
CTU IN PRAGUE



WEBINAR: ADDITIVE MANUFACTURING

[NABIAM SCIENTIFIC LECTURES]

1:00 pm Ing. Pavel Kulha, Ph.D. (Profactor)

Welcome talk, NABIAM project introduction

1:05 pm Ing. Libor Beránek, Ph.D. (CTU in Prague - Department of machining, process planning and metrology)

Additive Manufacturing of Metals

Technologies and their functional principles. Process of AM and tools to support development of the whole production process. Application potential in the areas of prototyping, casting dies and lightweighting. Economy behind the AM process.

1:50 pm DI Dr. Veronika Miron (JKU - Institute of Polymer Product Engineering)

Additive Manufacturing for Medical Applications

Additive manufacturing is used for more and more applications besides rapid prototyping. Special advantages lie in the design freedom and toolless production, which can save development time and production costs. The toolless production enables cheaper production of individualized products which is beneficial for personalized medicine. In this talk, Additive Manufacturing techniques available at the Institute of Polymer Product Engineering will be introduced and applications for medical applications will be discussed. Direct and indirect additive manufacturing techniques will be presented on the examples of a mouth stick for people that cannot move their hands or arms, a patient fixation mask for radiotherapy and a training simulator for aneurysm clipping surgery for neurosurgeons.

23rd June 2021, 1:00 pm (CET)

Link for joining the event (MS Teams): http://bit.ly/nabiam_lecture_2021-06-23