TECHNOLOGY SITE VISITS
PAE 'TSV WEBINAR'

PAE Webinar & On-Site Visit

« 3D PRINTING FORUM »

in cooperation with

Ministerium für Wirtschaft, Innovation, Digitales und Energie SAARLAND

saaris saarland.innovation&standort e.V. | automotive. saarland

with expertise of

ZeMA | LFT | Nemak Innovative Lightweighting

Thursday, December 8th 2022, 2-5 pm

Online & On-Site Visit – in English language

at

NEMAK DILLINGEN GMBH,
Marie-Curie-Straße, 66763 Dillingen/Saar

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AGENDA

TIME	TOPIC	SPEAKER
14:00 - 14:15	Welcome and Reception	Vincent Carel (Project Leader PAE at CCI Grand Est), Pascal Strobel (Head of Network automotive.saarland), Gerald Maruhn (Ministry of Economy, Innovation, Digital and Energy), Dr. Marcus Speicher (Plant Manager Nemak Dillingen)
14:15 - 14:45	Additive Manufacturing of Metals	Franziska Herter and Oliver Maurer (ZeMA - Center for Mechatronics and Automation Technology / LFT Saarland University - Institute of Production Engineering)
14:45 - 15:30	3D sand core printing for tool-free production of casting prototypes / optical processes for component measurement and quality control	Dr. Dirk Schnubel (Product Development Center Manager Nemak Dillingen), Selina Dietz (Process Development Nemak Dillingen)
15:30 - 16:30	Site Visit (Production, Prototype-Development, 3D sand core printing)	All On-site participants (max. 30 On-site participants)
16:30 -	Get together / Networking and End of Event	

Moderation: Georg Pohl, European Automotive Cluster (PAE) Region Saarland

REGISTRATION

To participate please register with the choice for **online <u>or</u> on-site participation** under this Link
After your registration has been validated, you will either directly receive **the confirmation for your on-site visit** (max. 30 participants on site - please do not forget your work safety shoes!) **or** 1-2 days before the event you will receive **the link for online participation**.

ABOUT ZeMA / LFT and NEMAK

>> Additive Manufacturing of Metals

ZeMA (**Center for Mechatronics and Automation Technology**) is a development partner with the goal of industrialization and technology transfer of research and development results.

In our development activities, we work closely with institutes and faculties of Saarland University as well as with the University of Applied Sciences (htw saar). Professors in the relevant fields, especially mechatronics, supervise the highly qualified scientific staff working at the research center. This ensures that scientific potential, specific know-how and the latest research results flow synergistically and sustainably into the work of the ZeMA.

The **Institute of Production Engineering** (**LFT**) at Saarland University (UdS) is embedded in both fields, material science and engineering as well as systems engineering. One major research focus investigates the additive manufacturing technology Laser Powder-Bed Fusion (L-PBF). Beyond that, research activities include precision machining techniques like pulsed electrochemical machining (PECM) and honing.

More information about ZeMA: https://zema.de/
More information about Institute of Production Engineering: http://www.lft.uni-saarland.de/en/home.html

>> 3D sand core printing for tool-free production of casting prototypes / optical processes for component measurement and quality control

Nemak is a leading provider of innovative lightweighting solutions for the global automotive industry, specializing in the development and manufacturing of aluminum components for powertrain and body structure applications. The company employs more than 21,000 people at 38 facilities worldwide, generating revenues of US$3.8 billion in 2021.

More information about the Nemak: https://www.nemak.com/