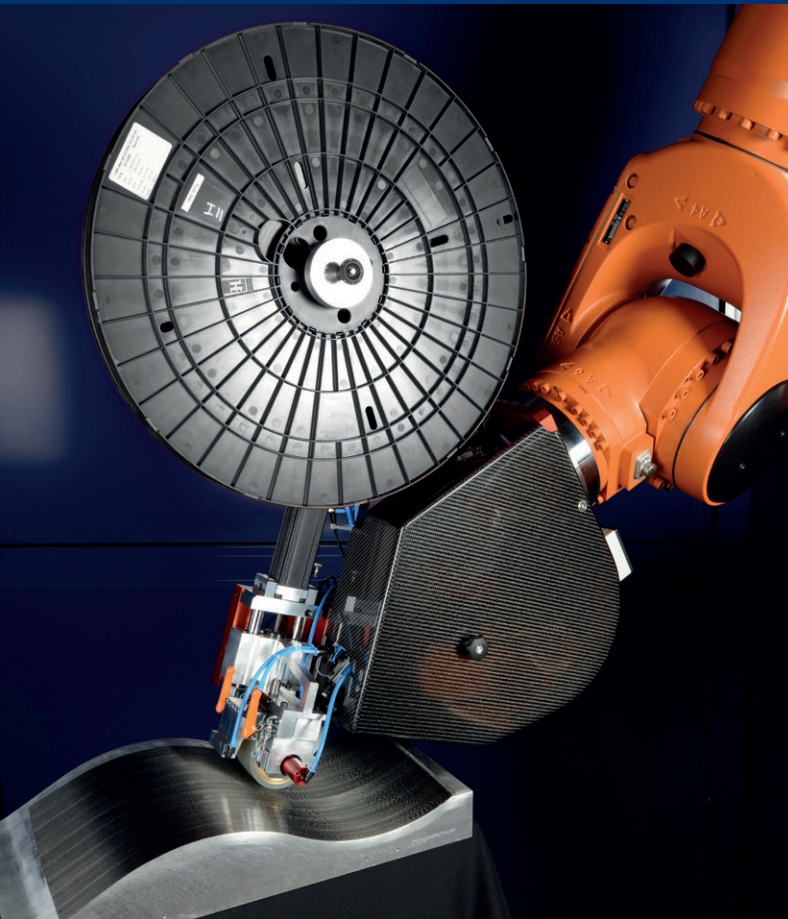


## AUTOMATED PROCESSING OF THERMOPLASTIC TAPES



## THE SEMINAR

Fiber-reinforced thermoplastics offer many advantages such as good material properties and recyclability, the potential of further processing and high impact strength. Especially the processing of semi-finished products, thermoplastic tapes, allows the industrial mass production of load-optimized components due to shorter process cycle times, the reduction of process steps and a high potential for process automation.

The seminar “Automated Processing of Thermoplastic Tapes” gives an overview on different systems and processes for tape placement presenting these technologies in the context of the whole value chain. The seminar focuses on the in-situ tape placement. With the presentation of potential applications, an insight into the market and into cost structures, the seminar provides the attendees with a basic understanding of the technologies and their feasibility for different applications. A live demonstration completes the insight into tape processing technologies.

### Venue

Fraunhofer Institute for Production Technology IPT  
Steinbachstrasse 17  
52074 Aachen, Germany

### Participation Fee

The participation fee is € 950,- and is tax free according to the German §4UStG.

### Seminar Language

English

### Your Contact

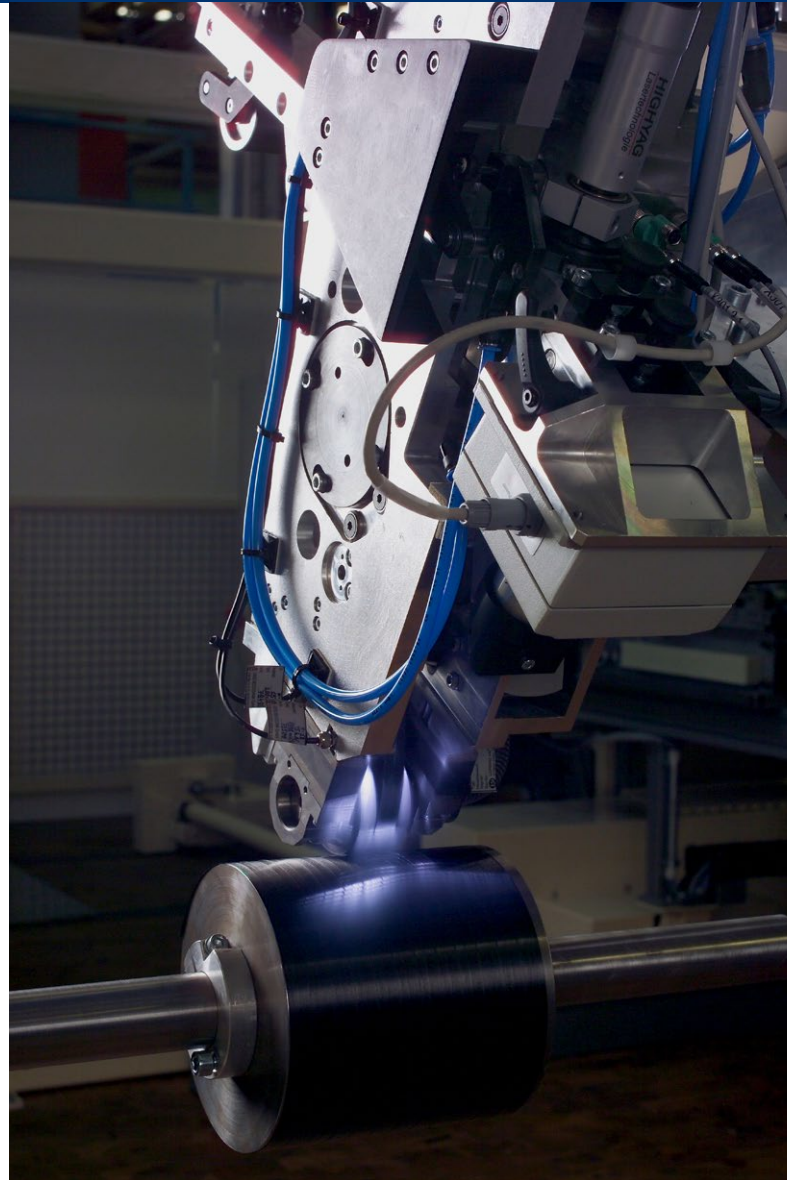
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### Organizer

At Fraunhofer IPT, we advance the automation of fiber-reinforced plastics (FRP) processing by developing production machines for composite engineering. We develop and optimize special-purpose machinery and processes for the automated tape, prepreg and fiber placement as well as for winding. We process thermoplastic and thermoset semi-finished products as well as dry-fiber rovings with binder and produce tailored components via local reinforcement. Furthermore, our research activities and services include multifunctional thermoforming, systems for gripping and handling of FRP semi-finished products as well as pultrusion technologies.

# MAY 19, 2015

- 9.00 Introduction
- 9.15 Systems and processes for tape and prepreg processing
- 10.15 Coffee break
- 10.45 Trends in the field of in-situ tape placement
- 11.30 Potential applications in the automotive and transport sector
- 12.15 Lunch
- 13.15 Overview on the market
- 14.00 Case study for various applications
- 15.00 Discussion
- 15.30 Live demonstration
  - Laser-assisted tape placement process
  - Guided shop floor tour
- 17.00 End of Seminar



## REGISTRATION

Please send your registration via e-mail to [marina.biller@ipt.fraunhofer.de](mailto:marina.biller@ipt.fraunhofer.de) or via fax to +49 241 8904-6380.

I hereby register mandatorily for the participation in the practical seminar "Automated Processing of Thermoplastic Tapes" on May 19, 2015, with a participation fee of €950,-.

Name\*

First Name\*

Title

Institution/Company\*

Position

Department

Street Adress/P.O. Box\*

City/Zip-Code/Country\*

Phone\*

Fax\*

E-mail\*

Signature

Date

\*Data necessary

I agree that my name and address will be registered in the list of participants. For the purpose of organizing the seminar, name and address will be electronically processed and saved.